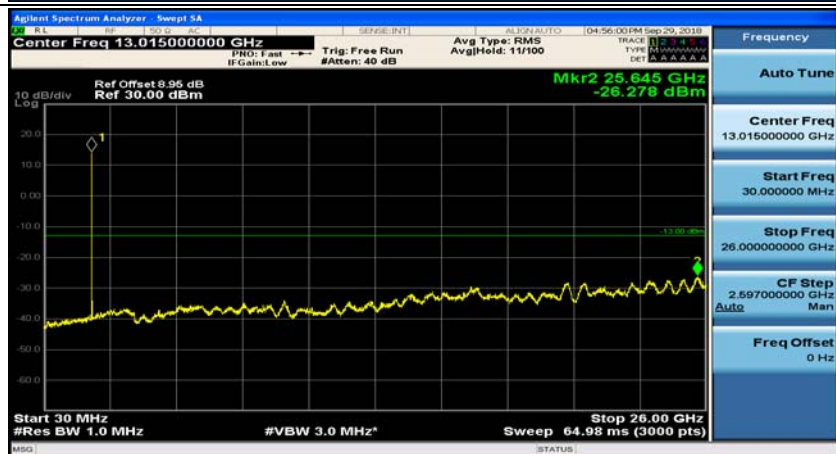
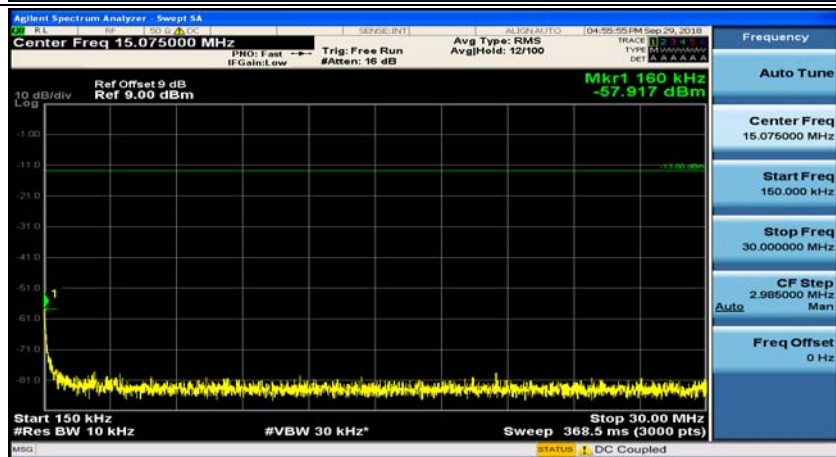
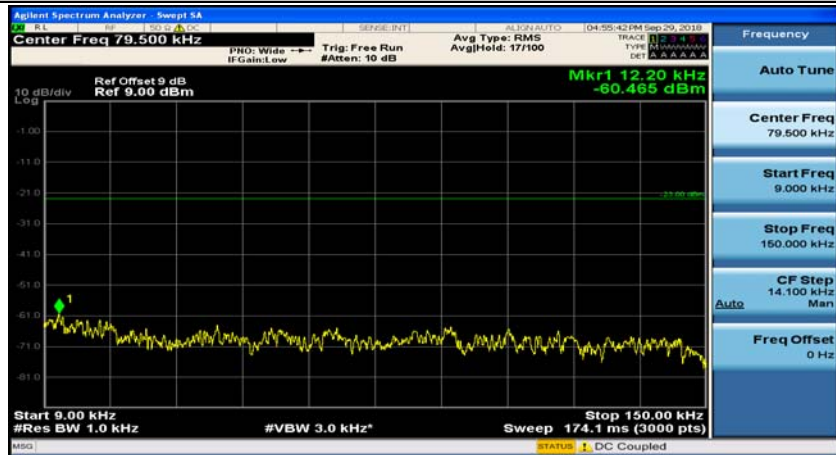
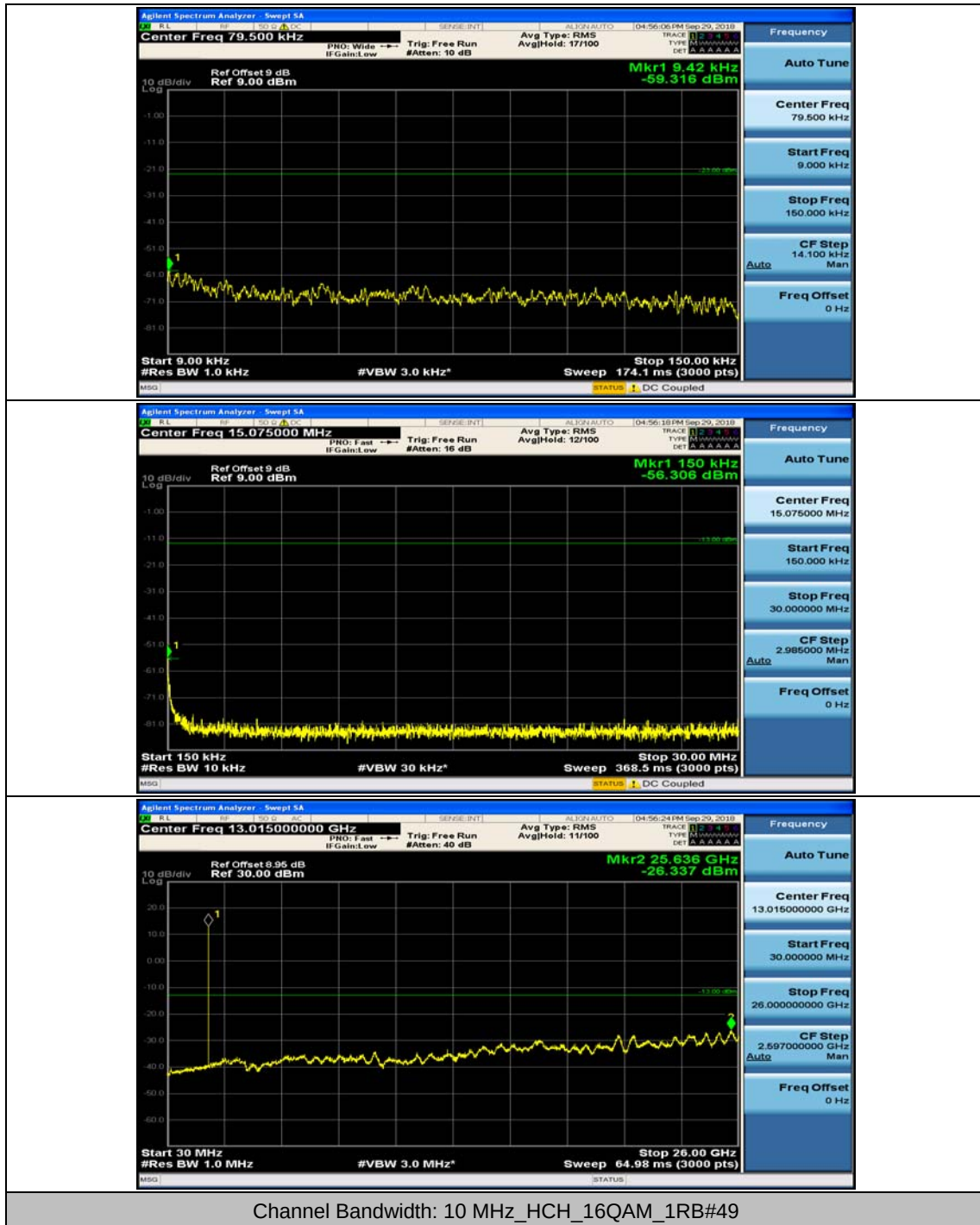
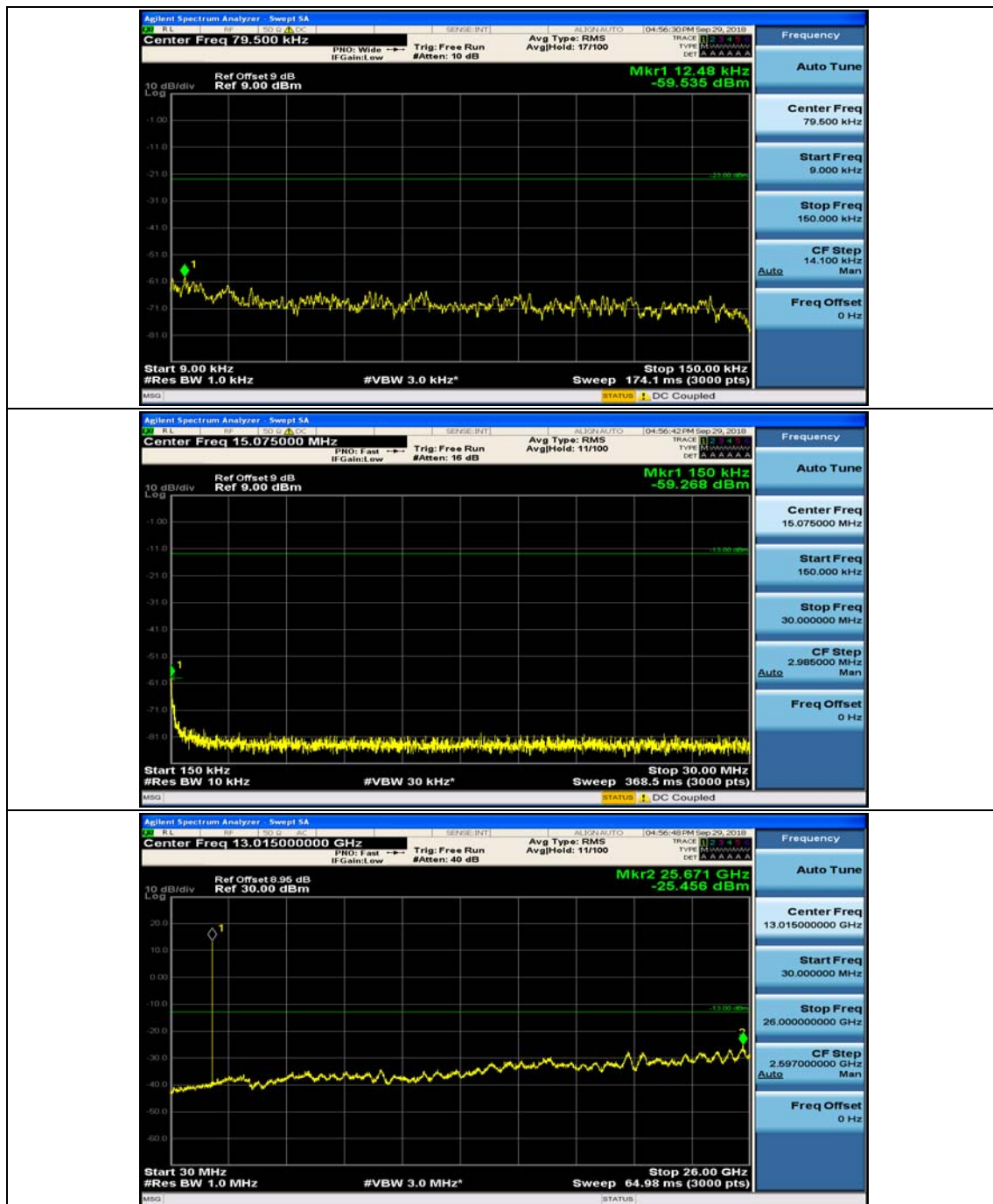


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

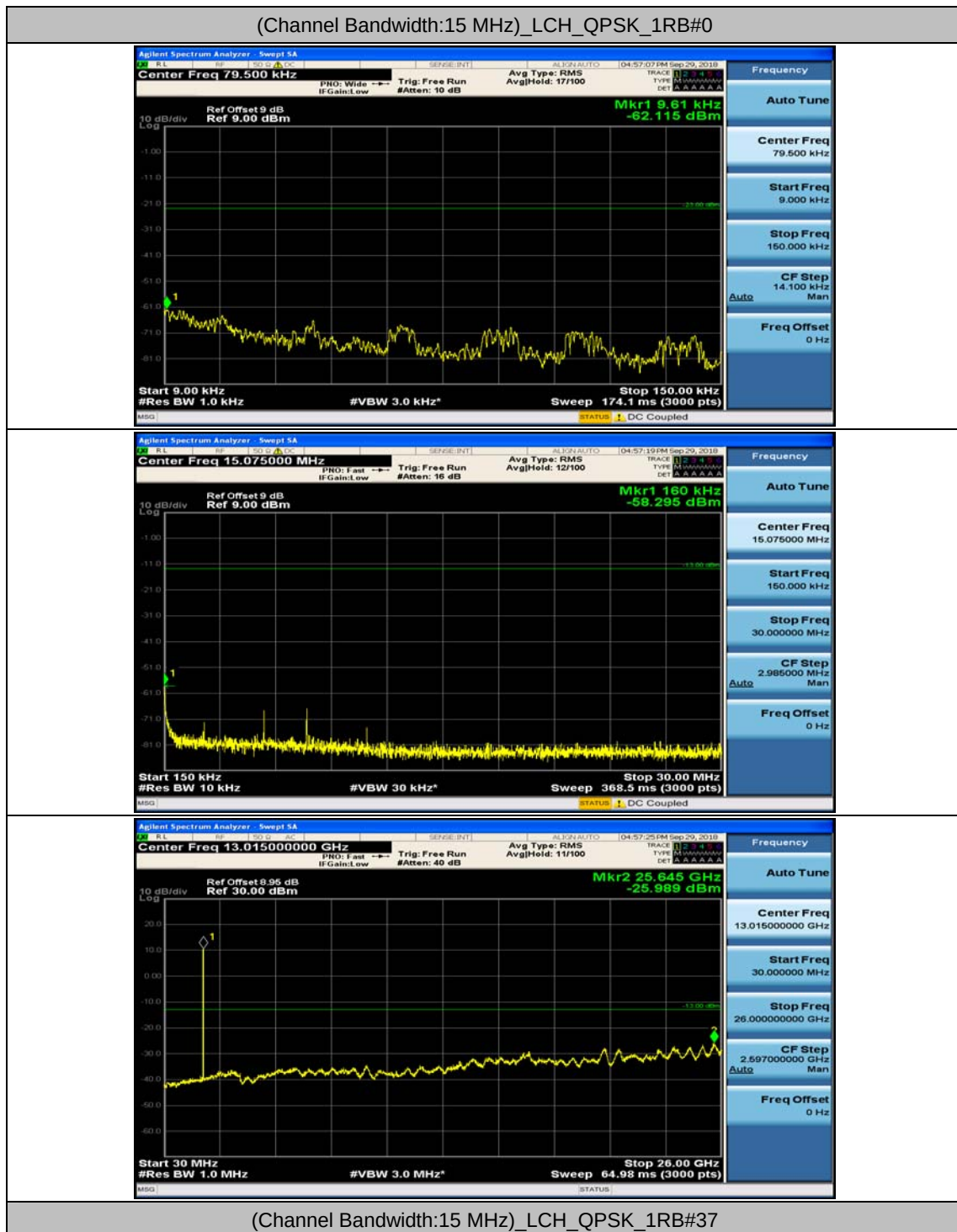


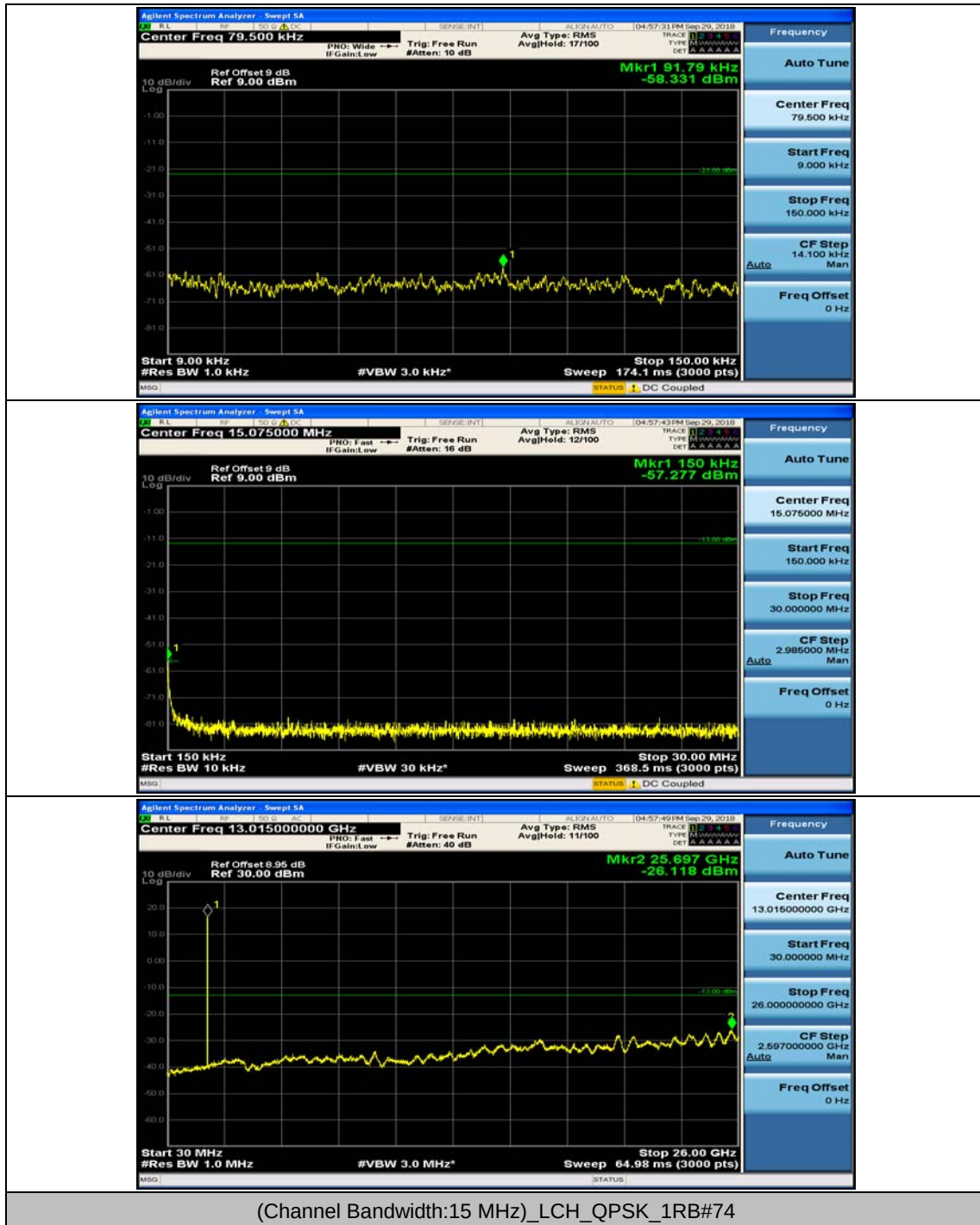
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

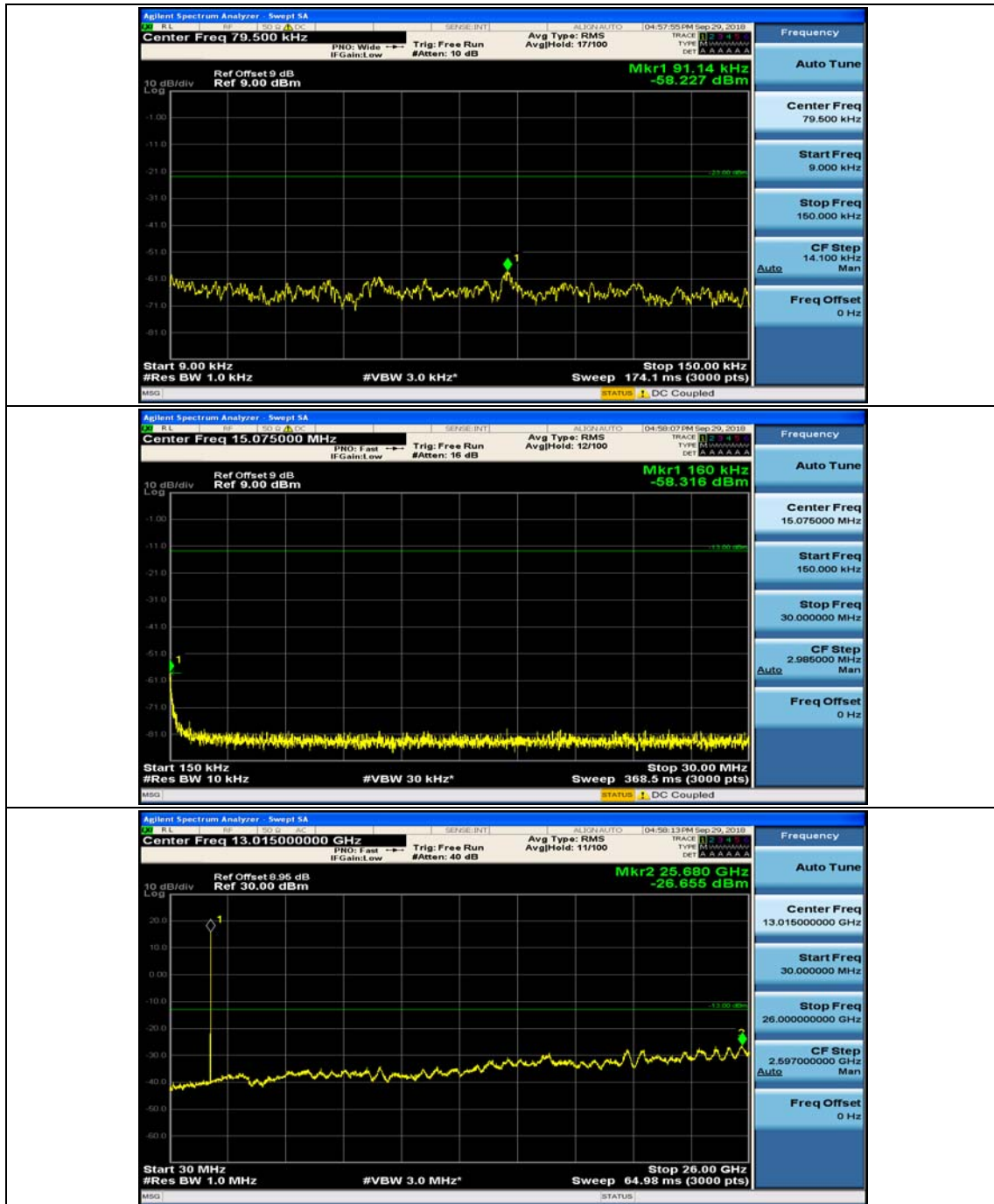




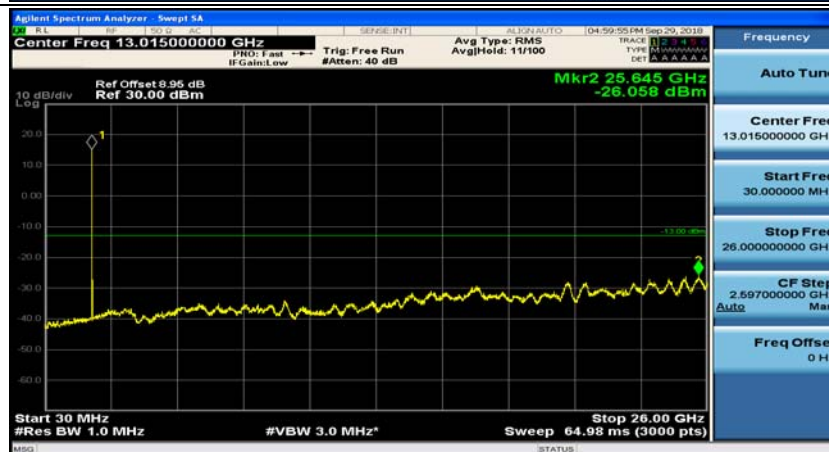
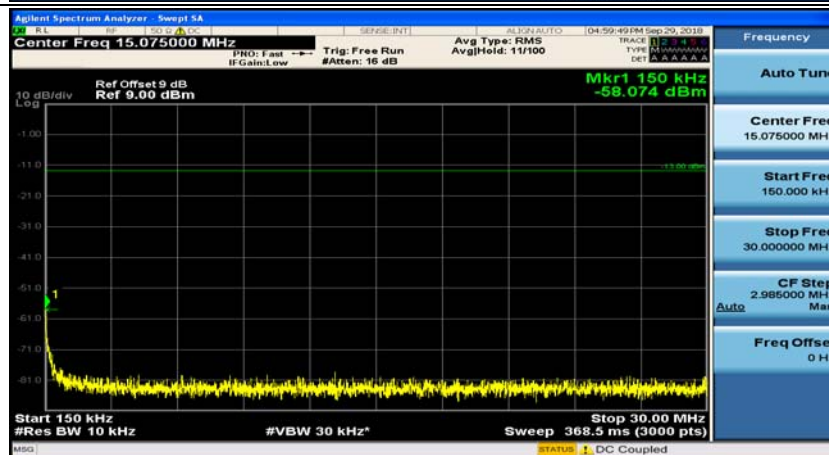
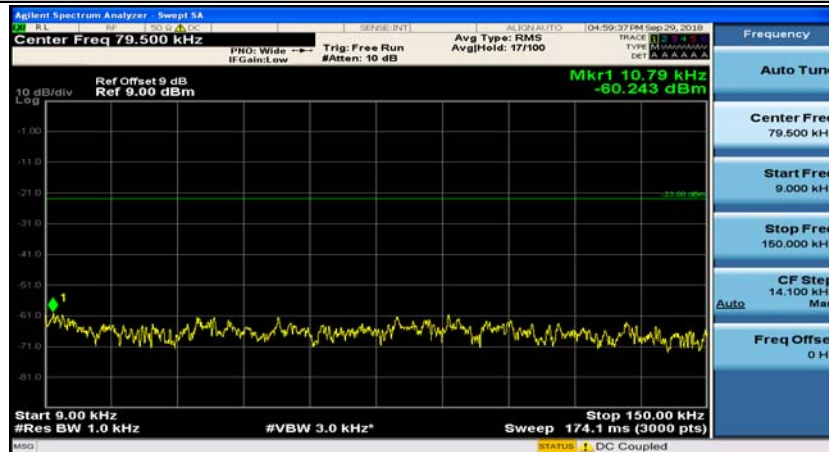
Channel Bandwidth: 15 MHz



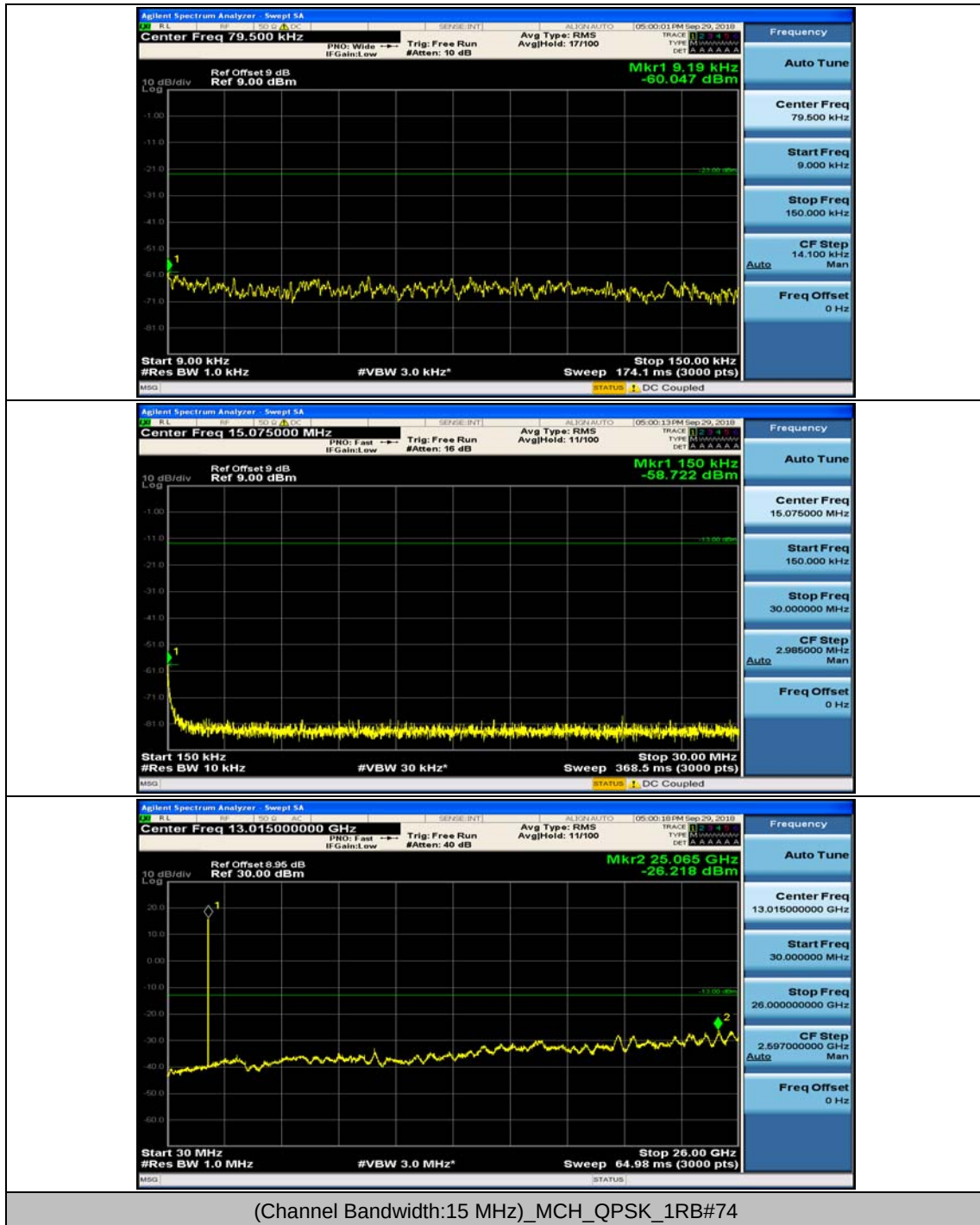


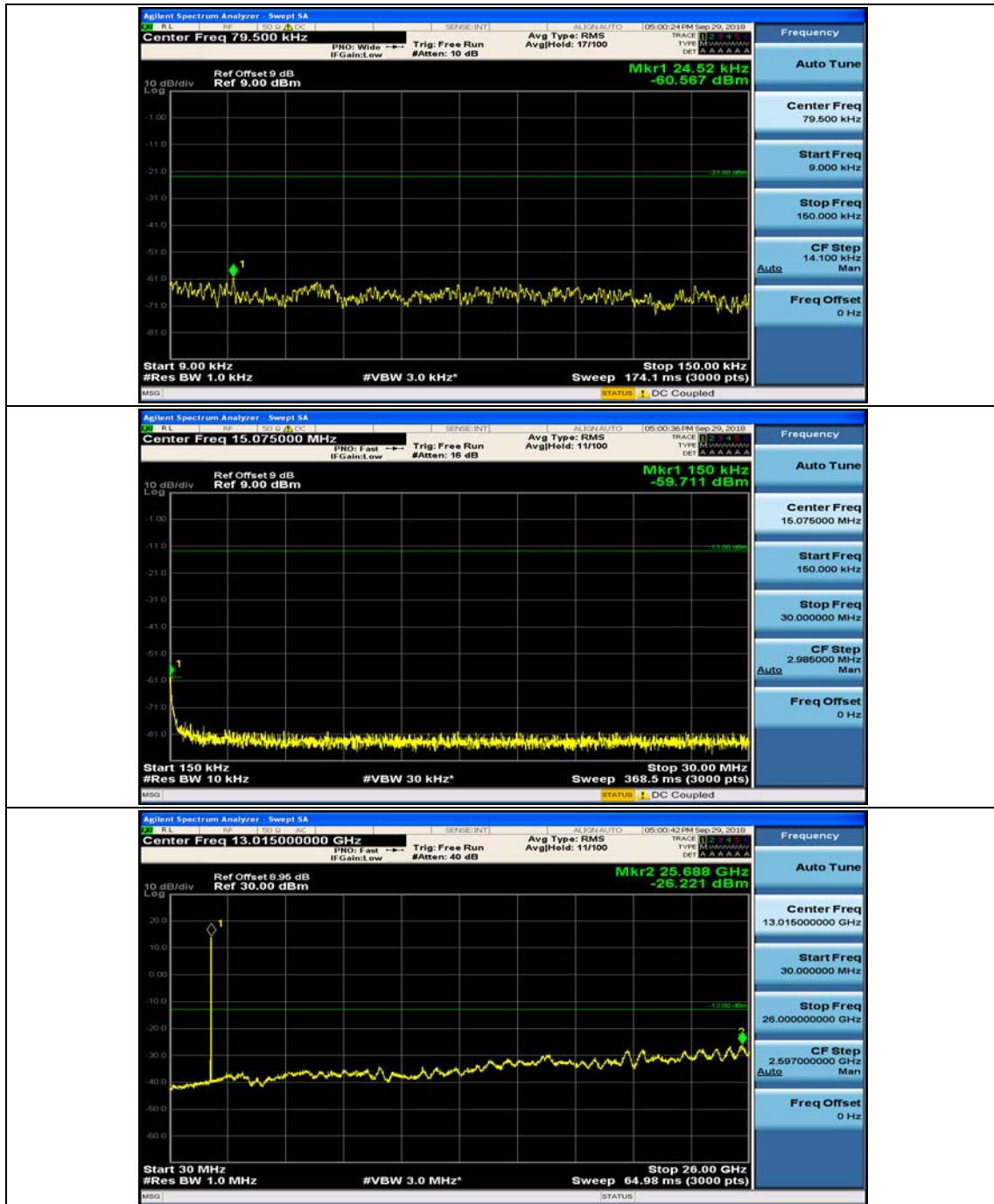


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

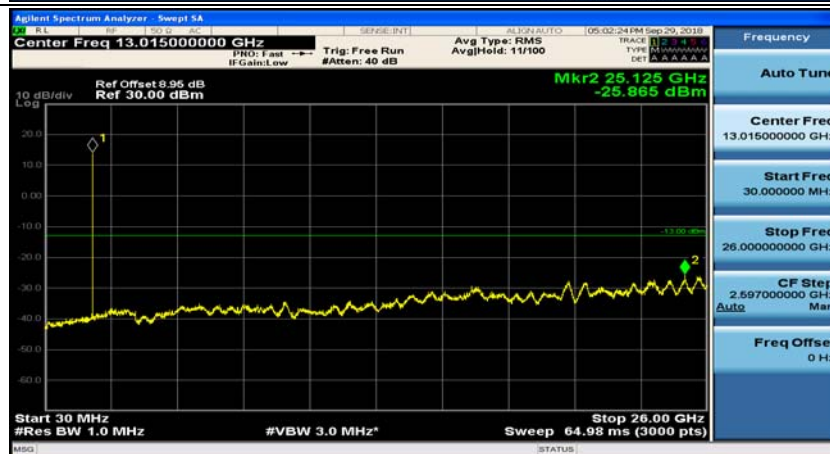
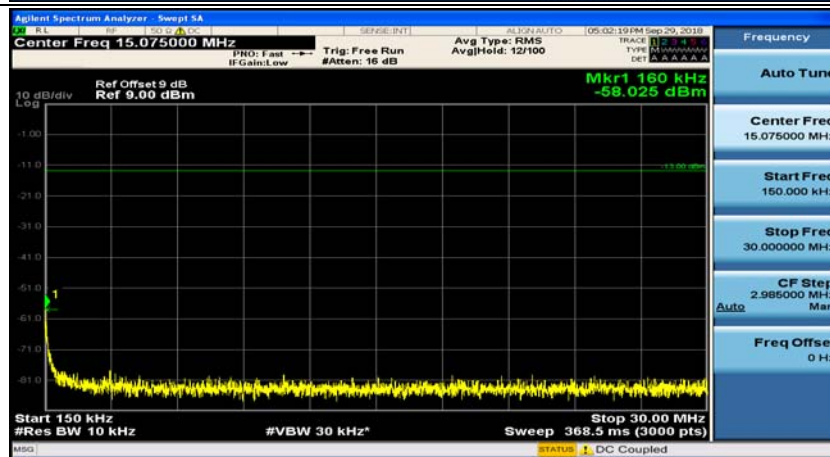
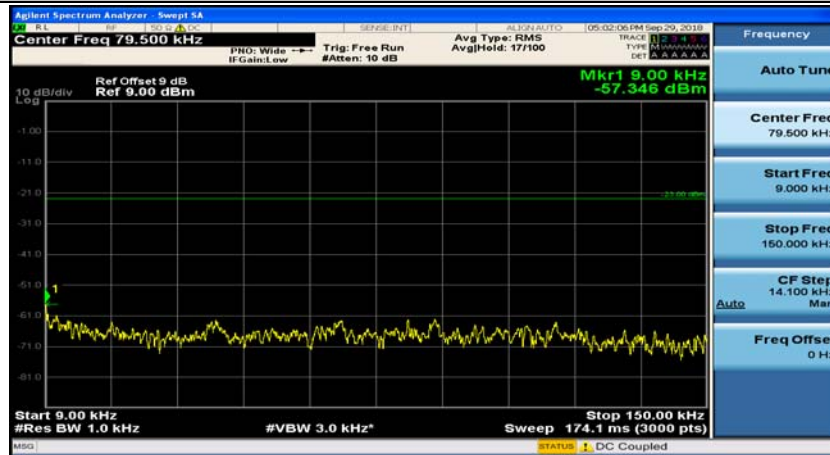


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

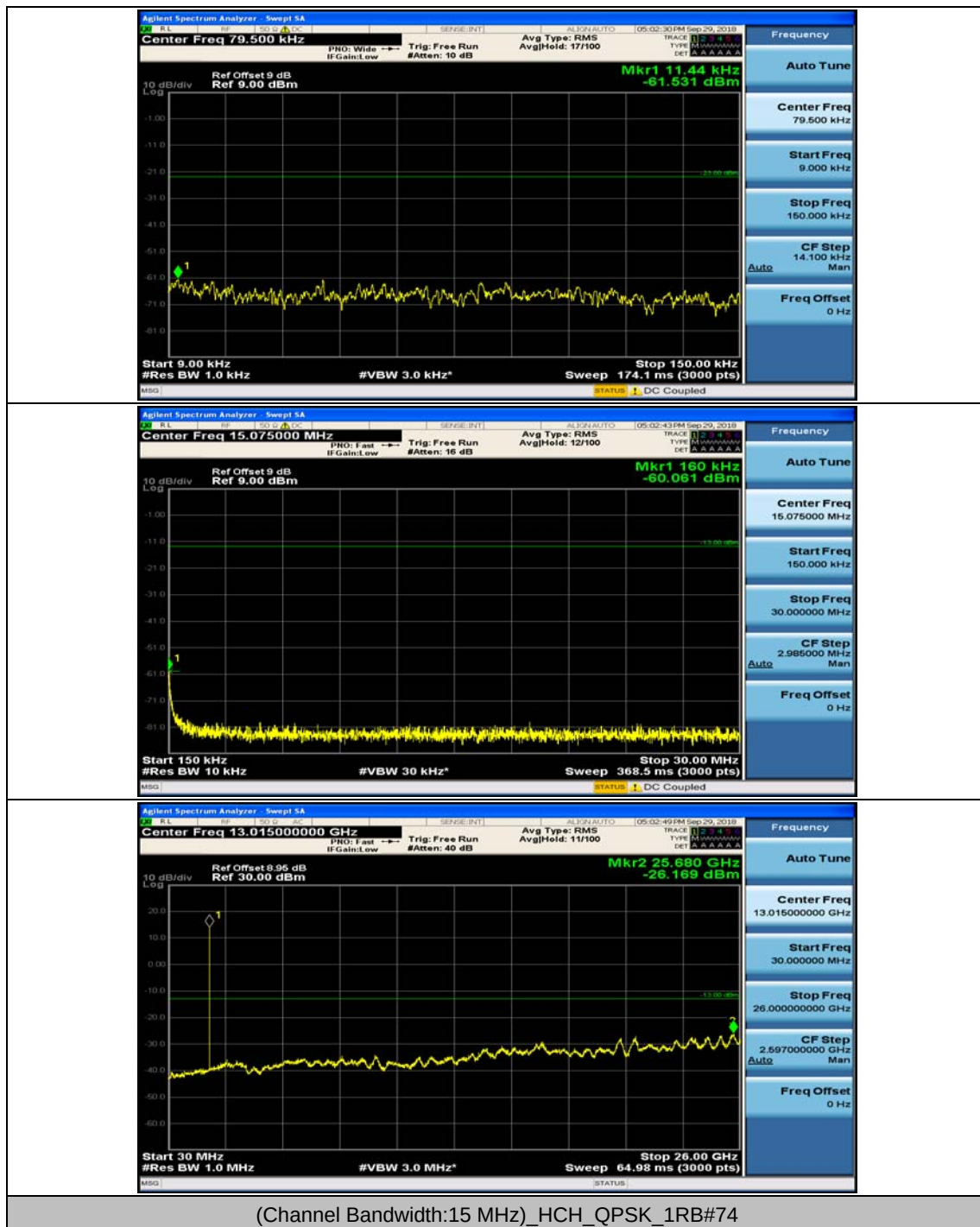


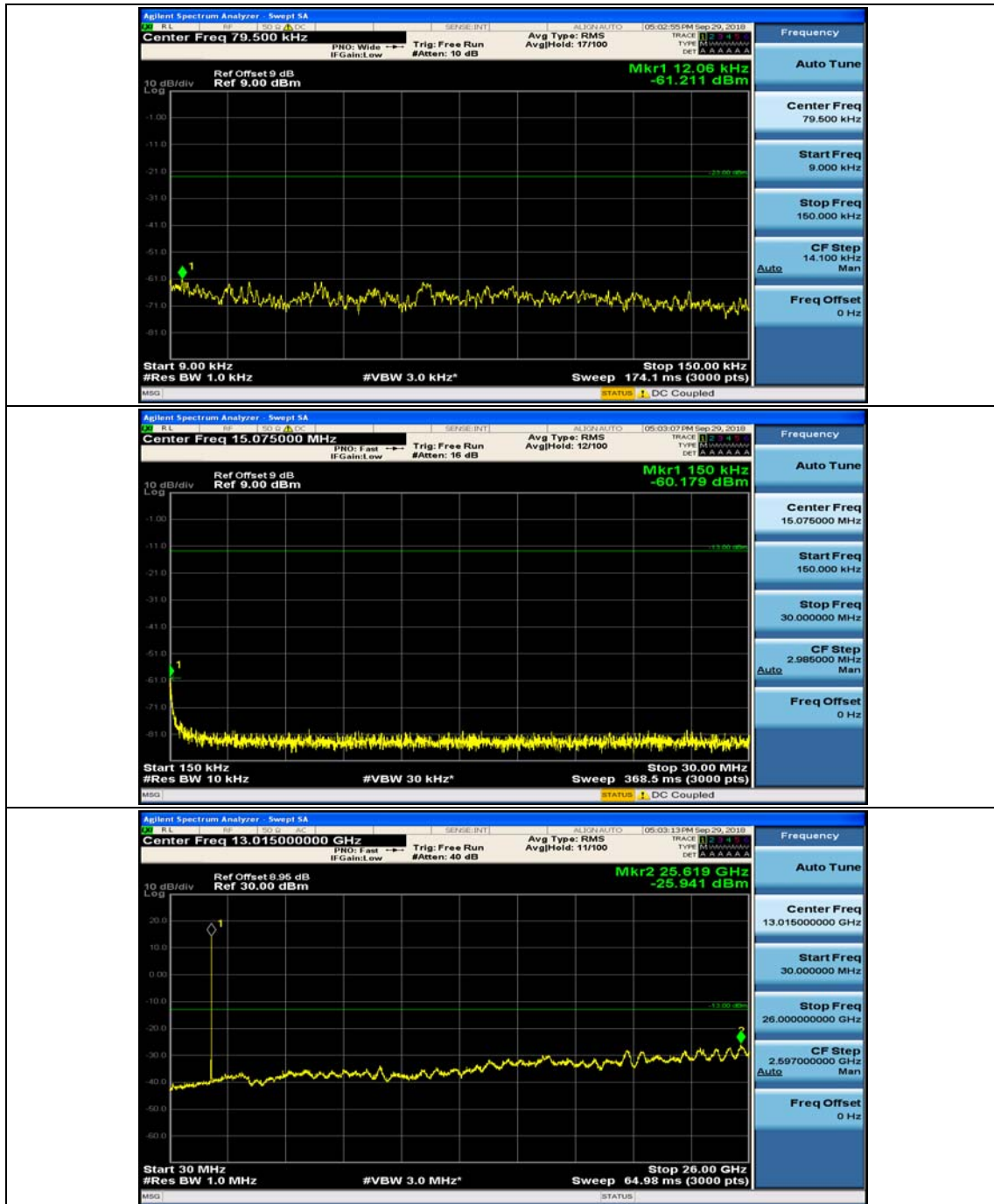


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

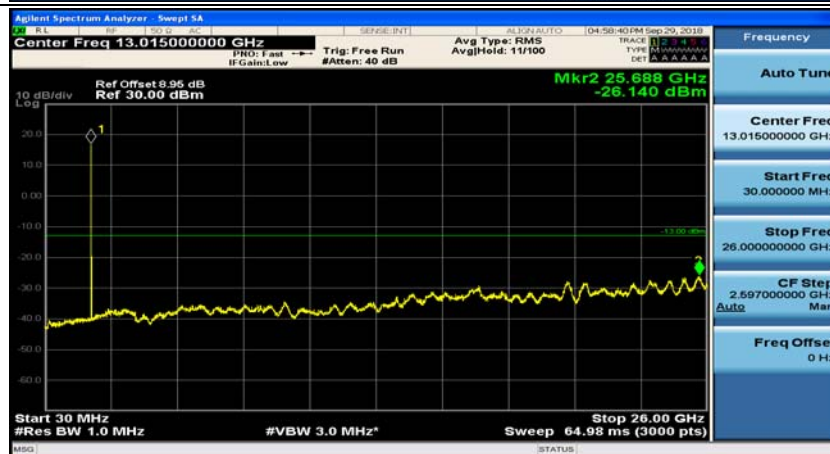
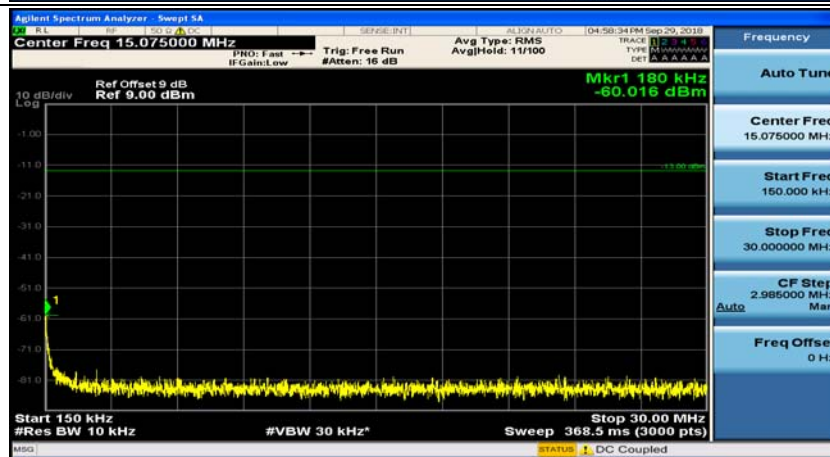
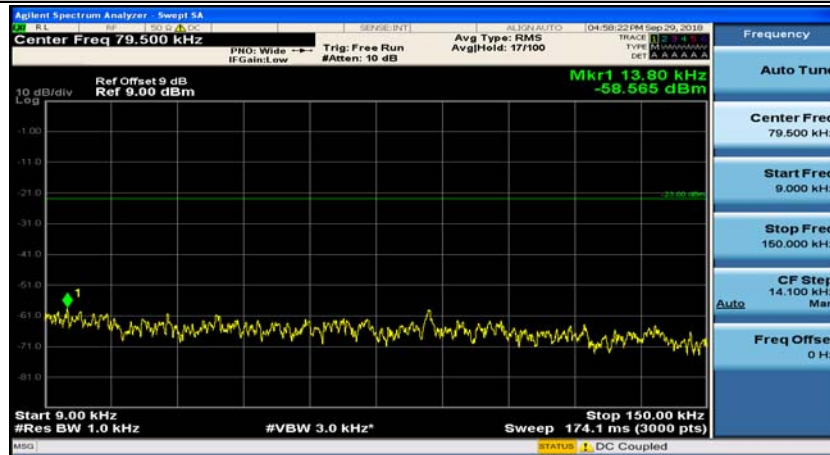


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

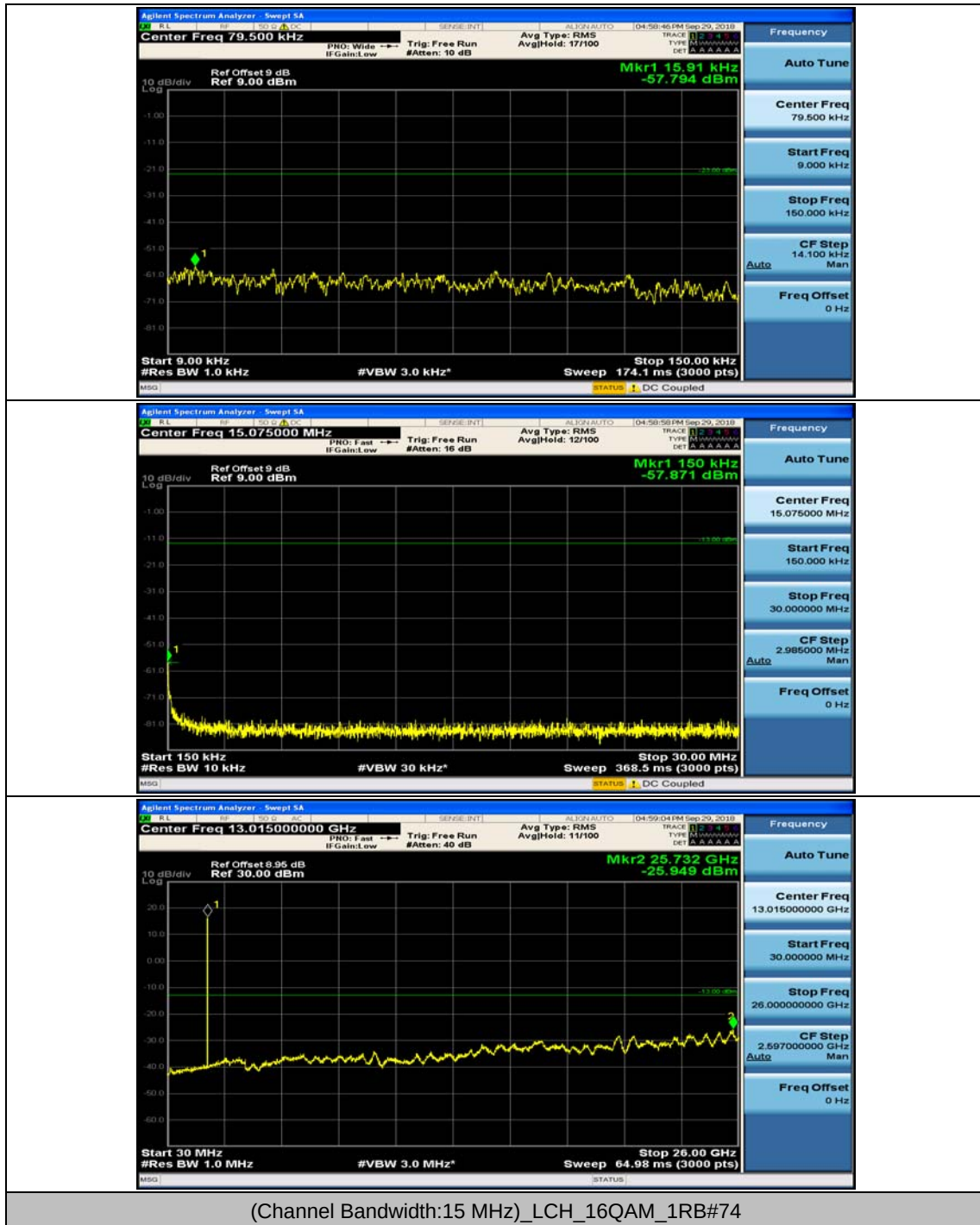


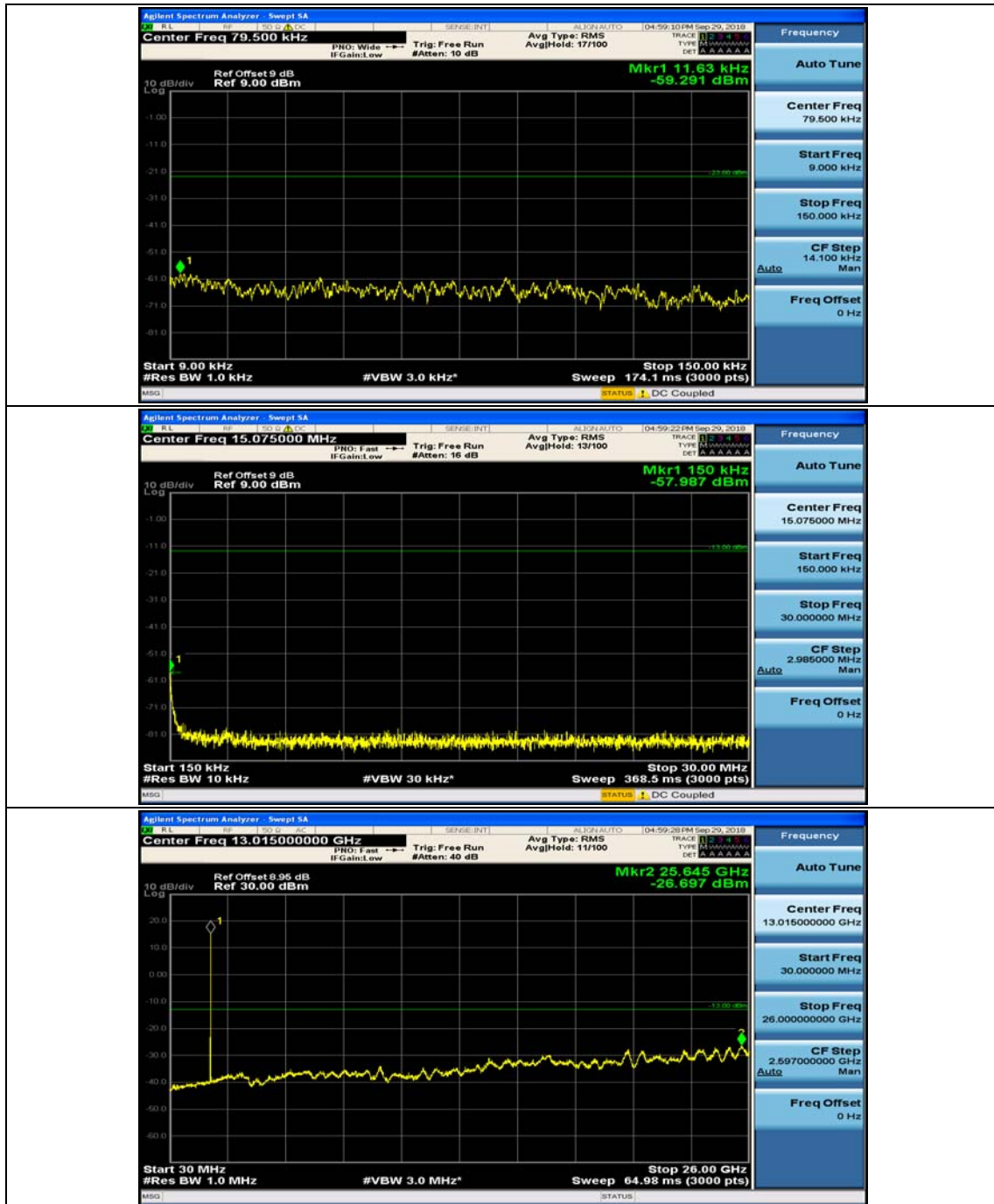


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

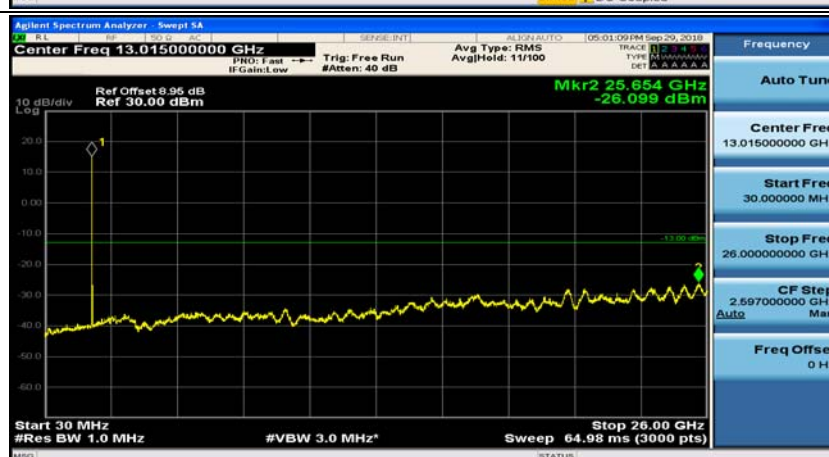
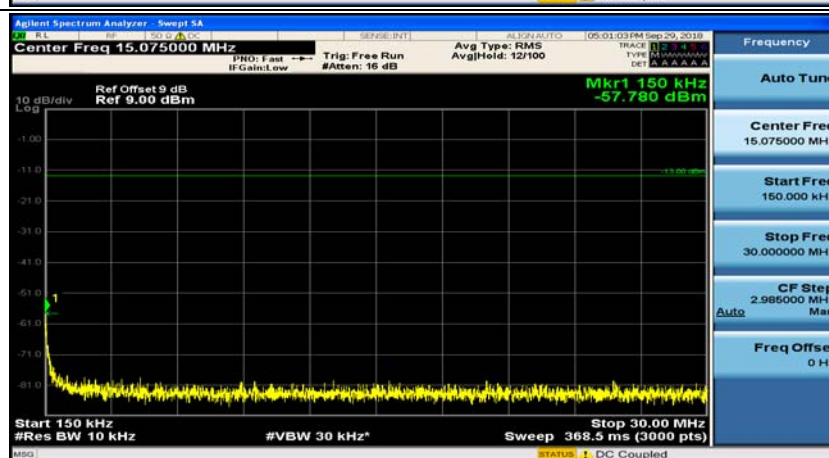
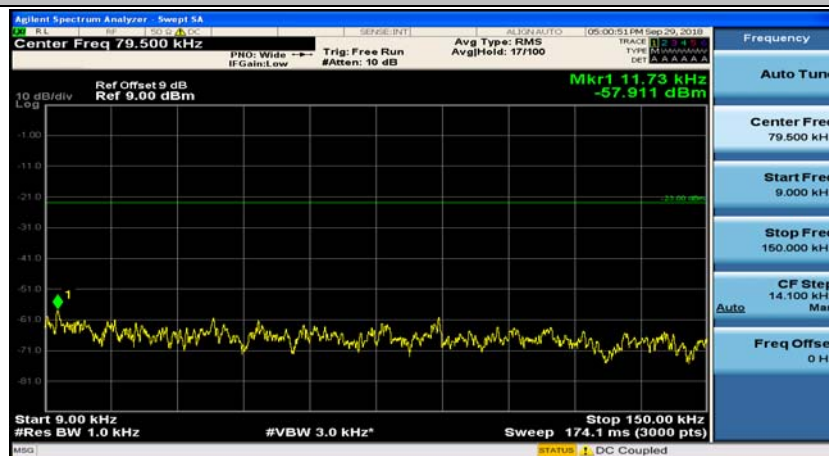


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

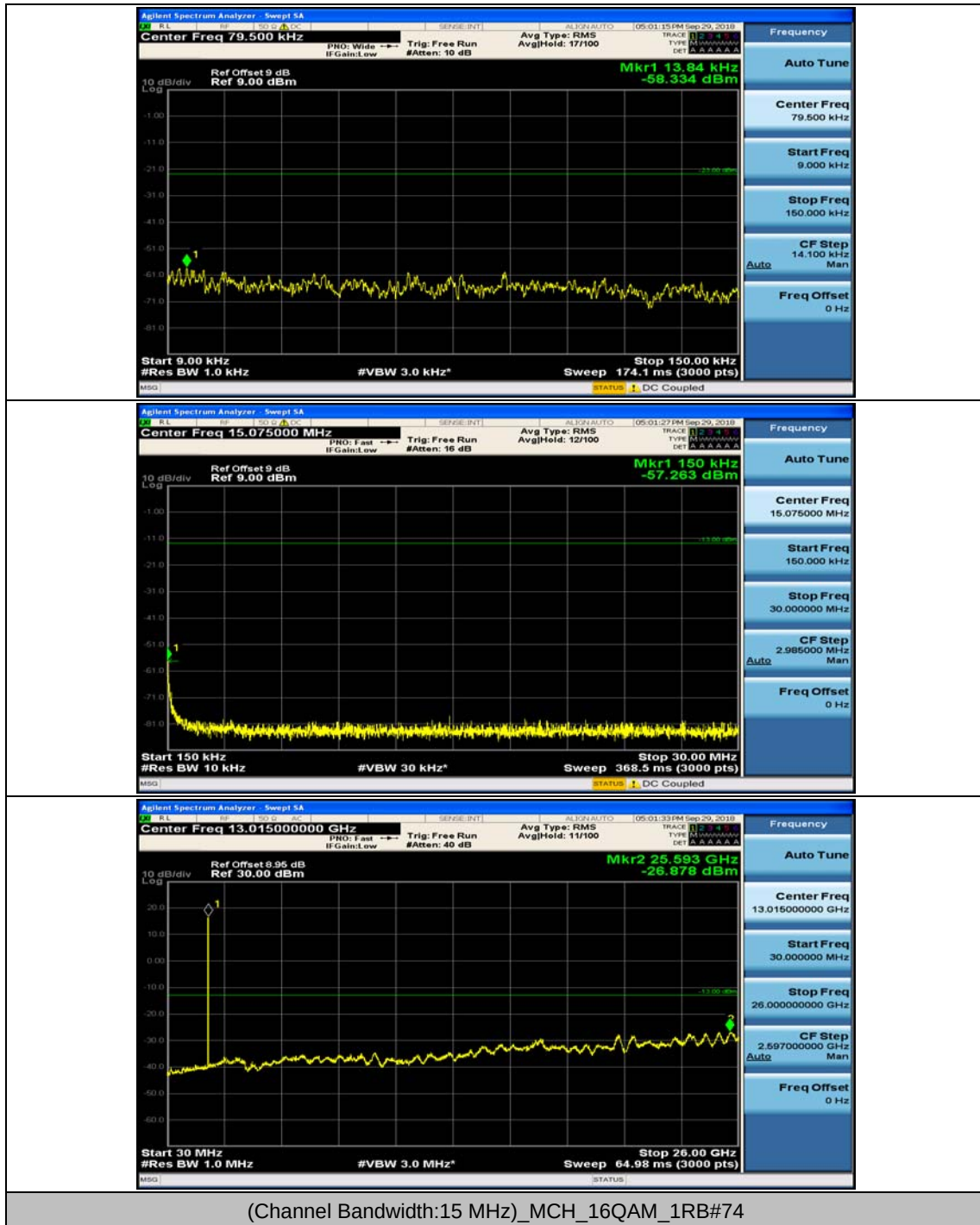


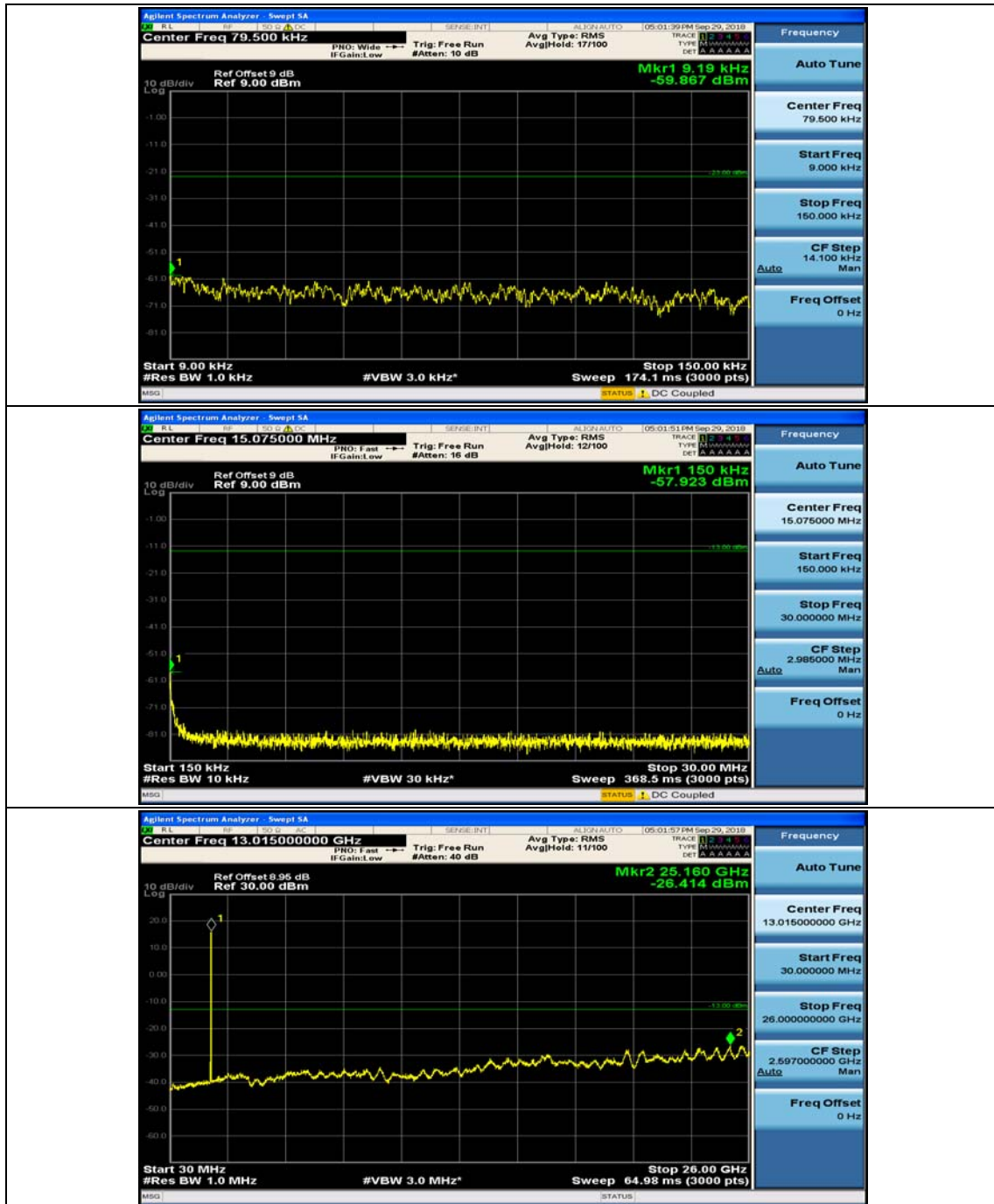


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

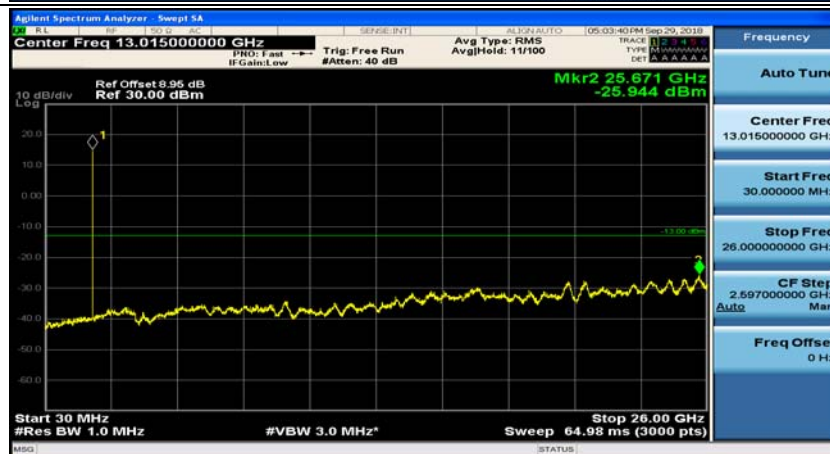
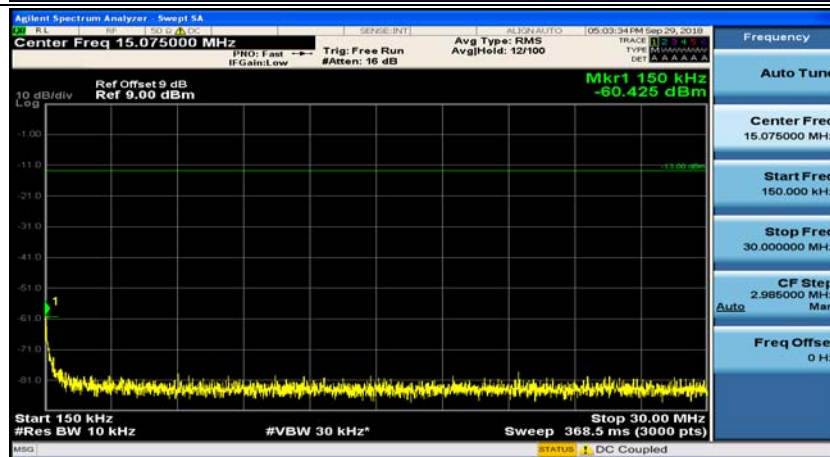


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

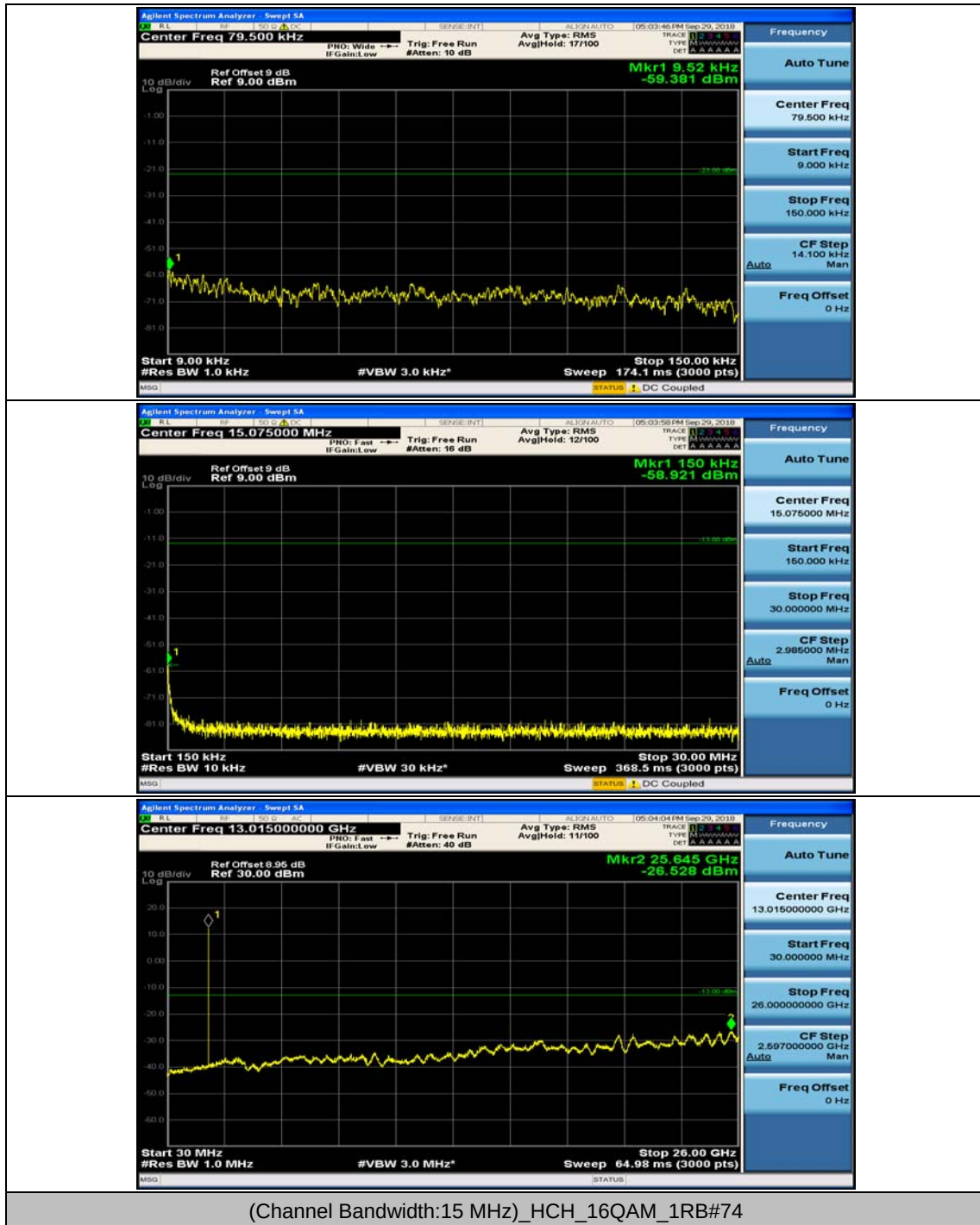


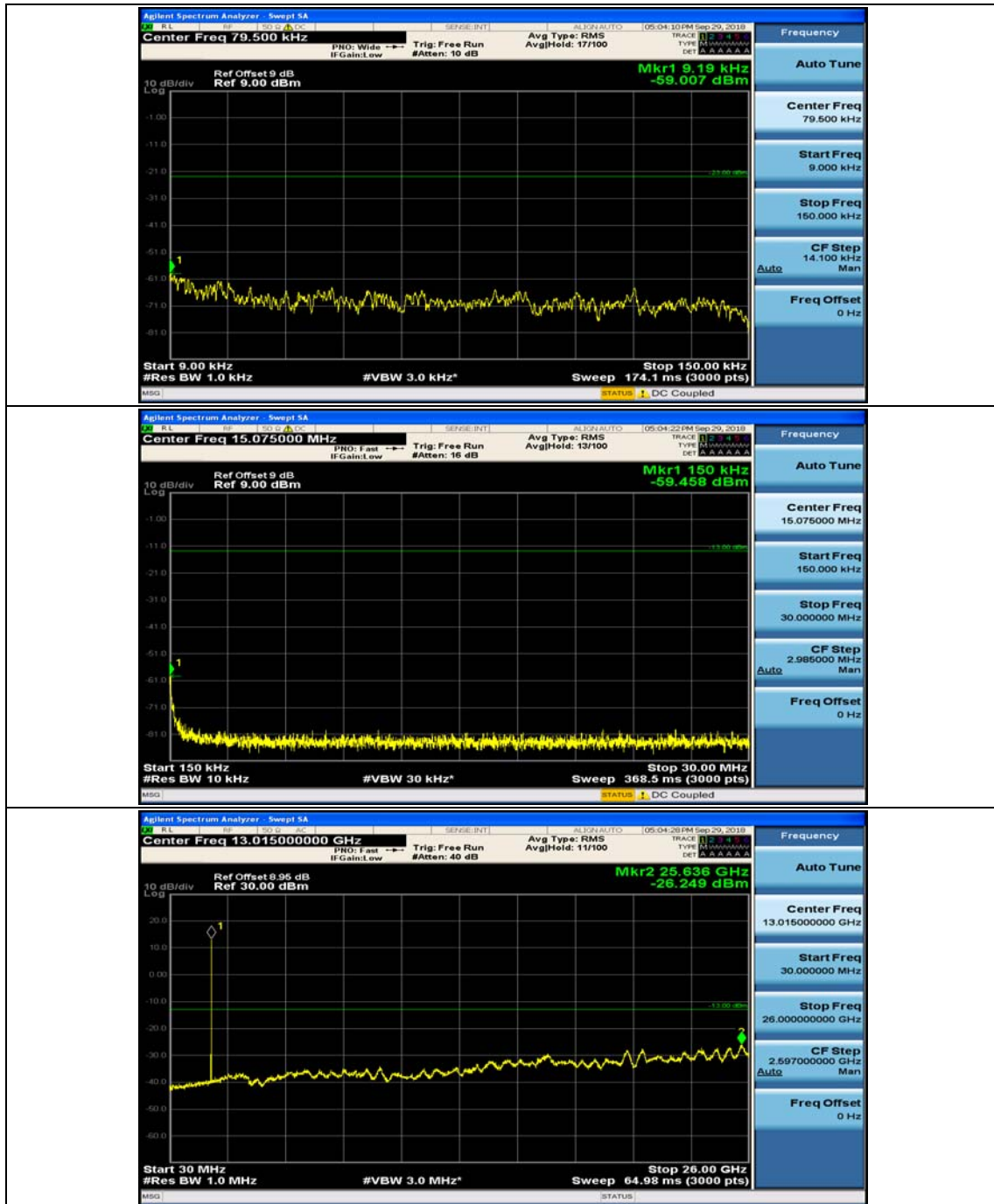


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

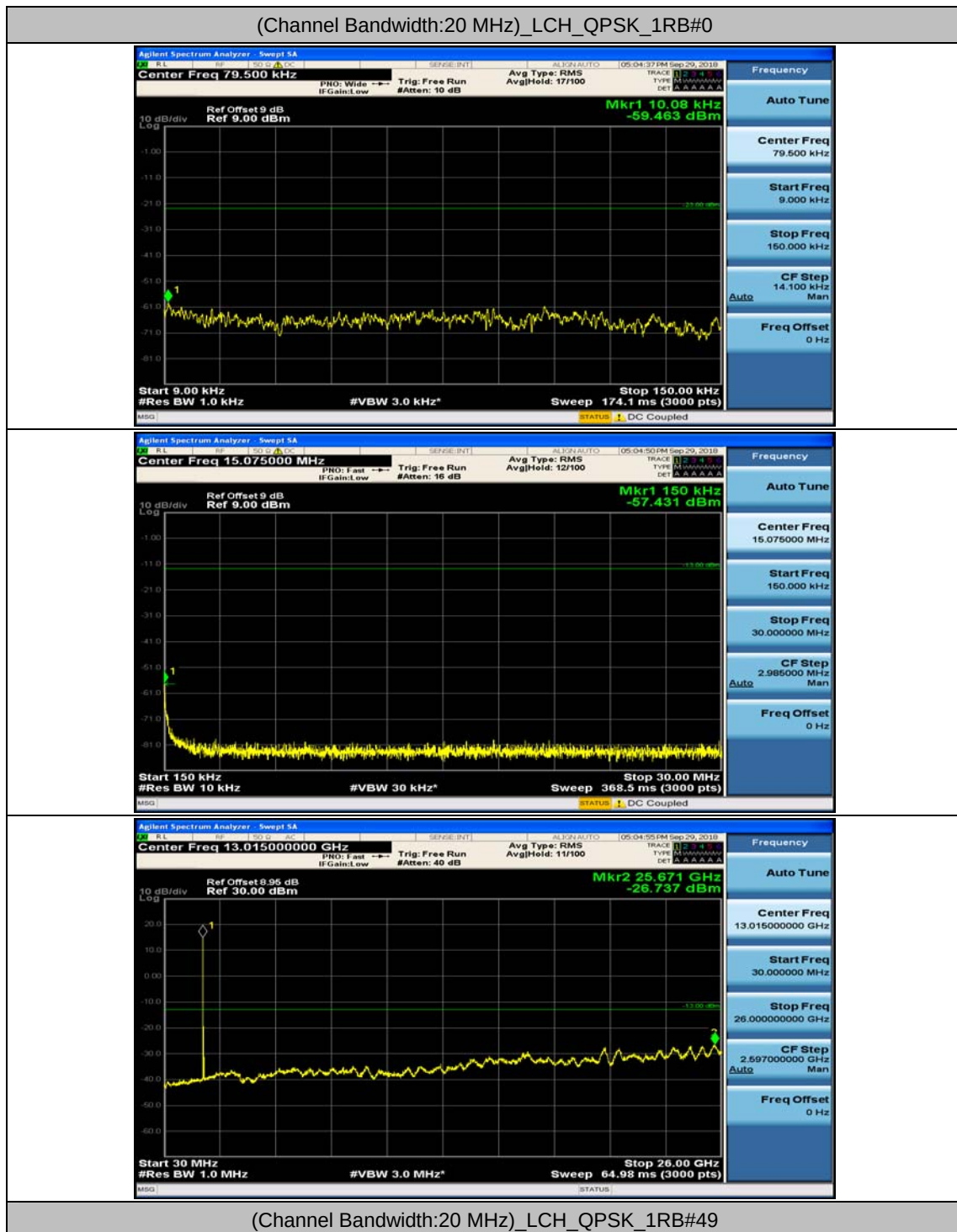


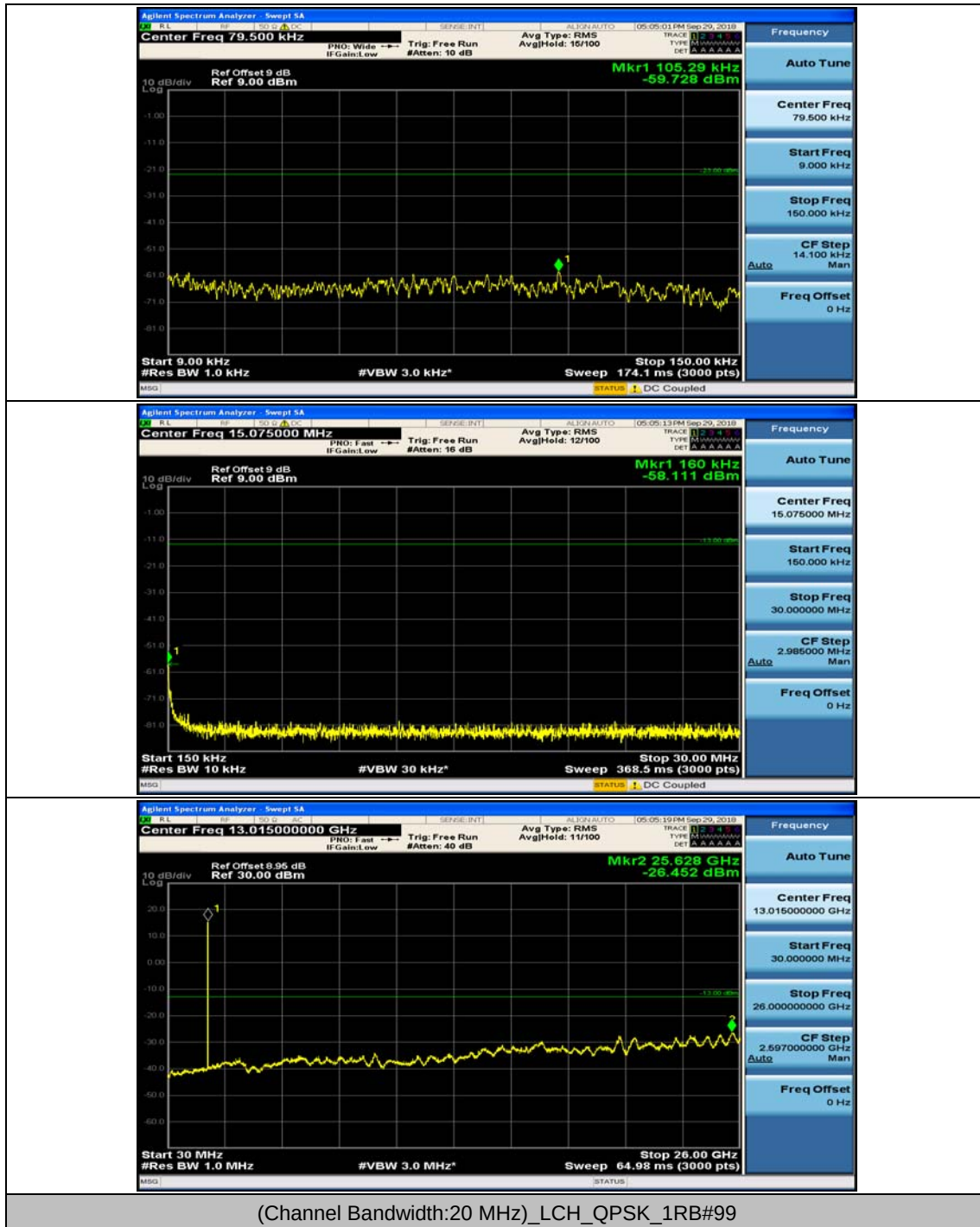
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

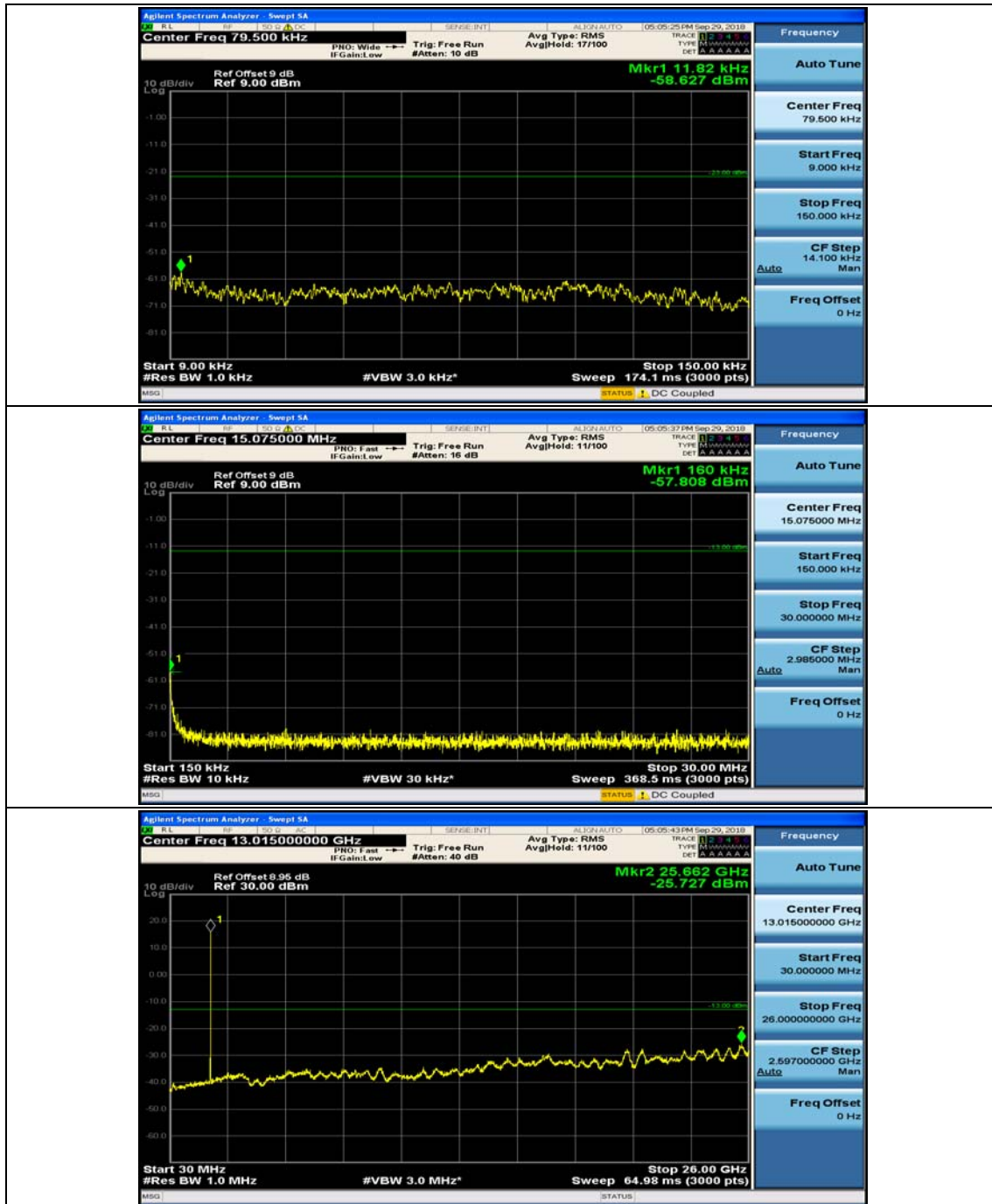




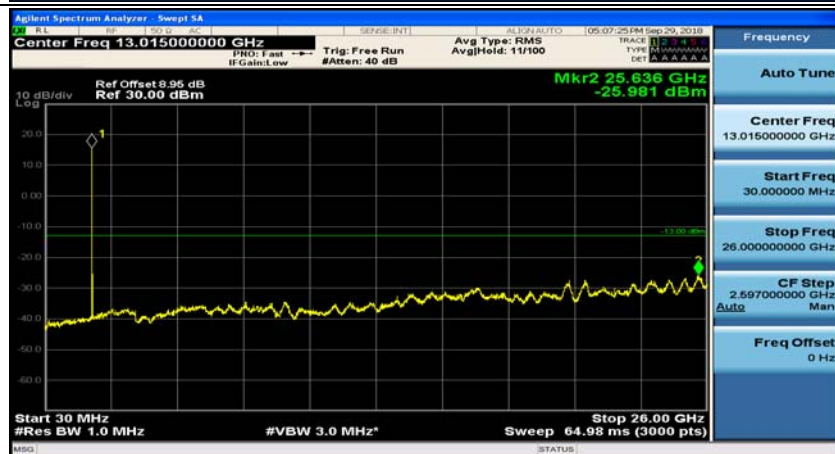
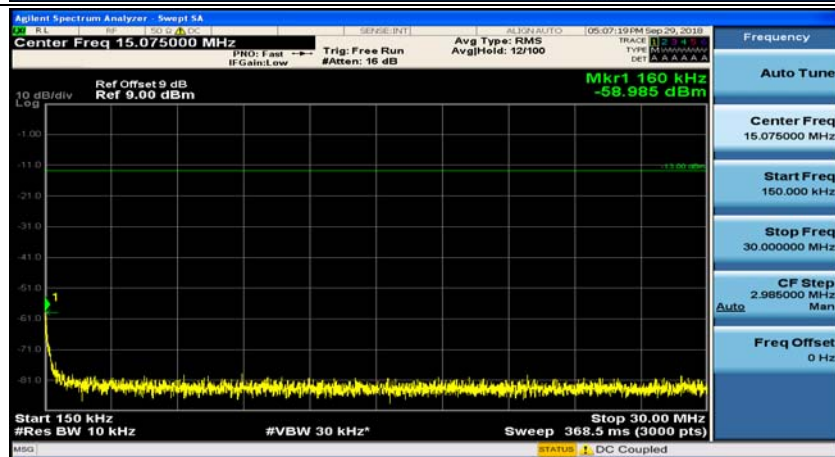
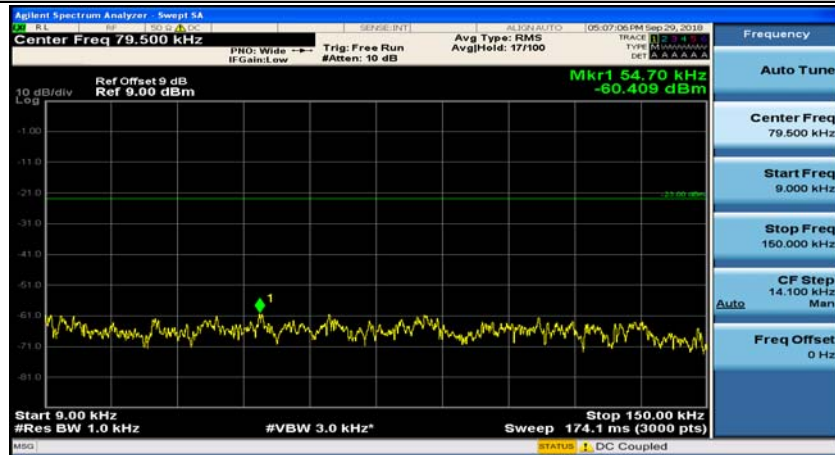
Channel Bandwidth: 20 MHz



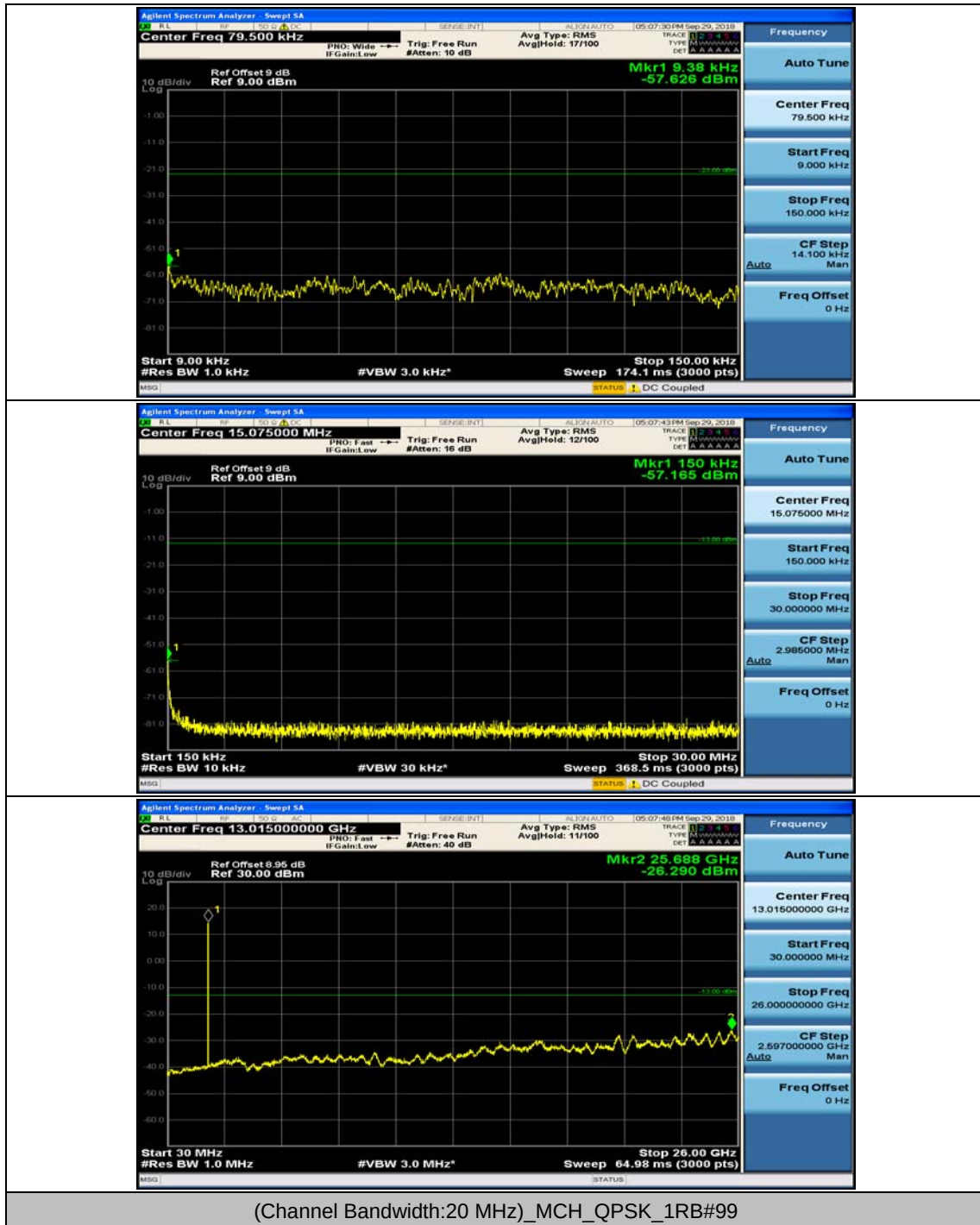


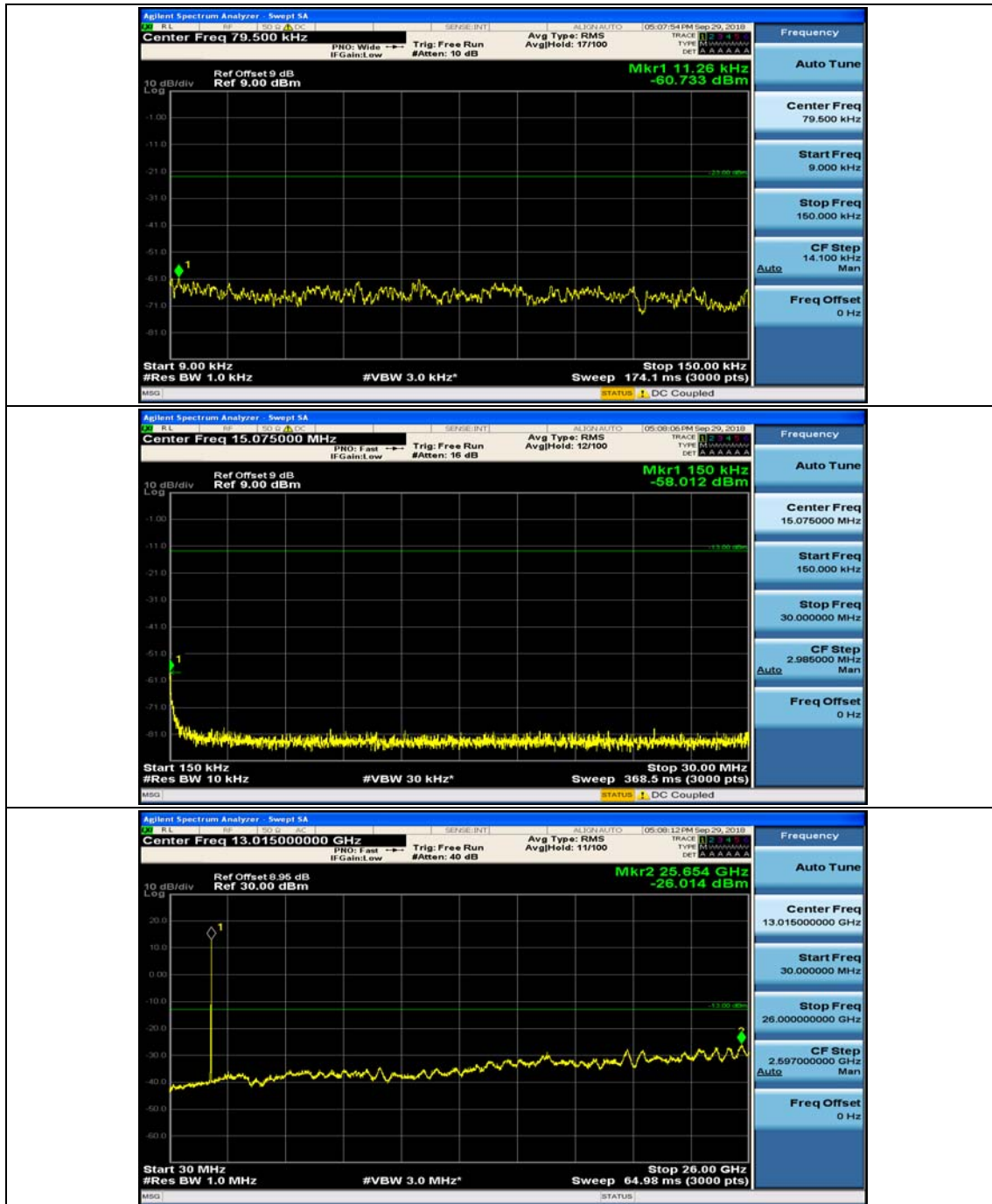


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

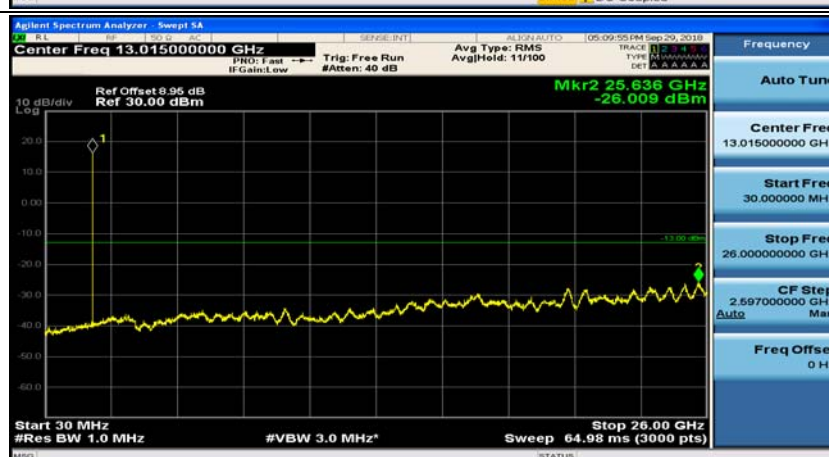
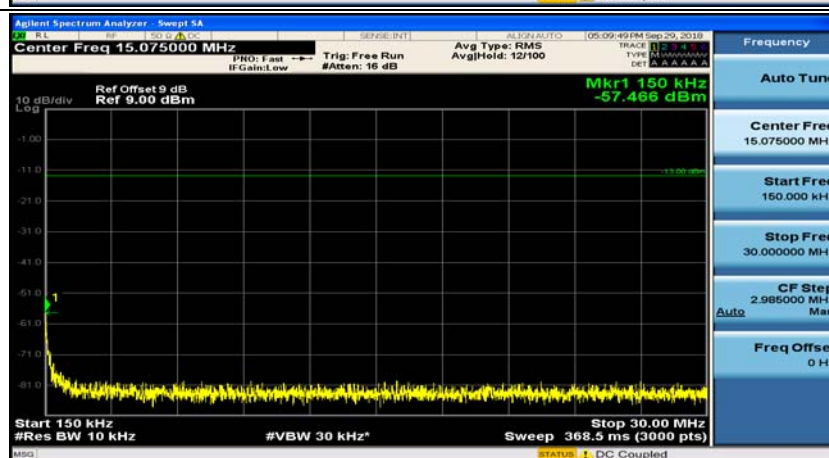
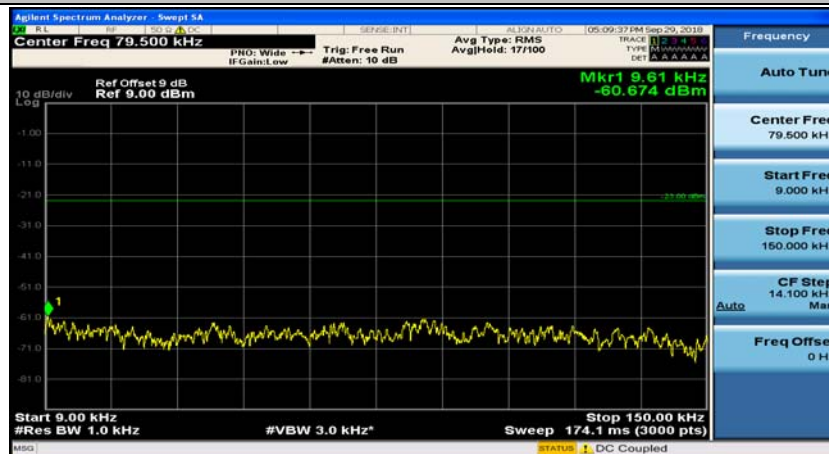


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

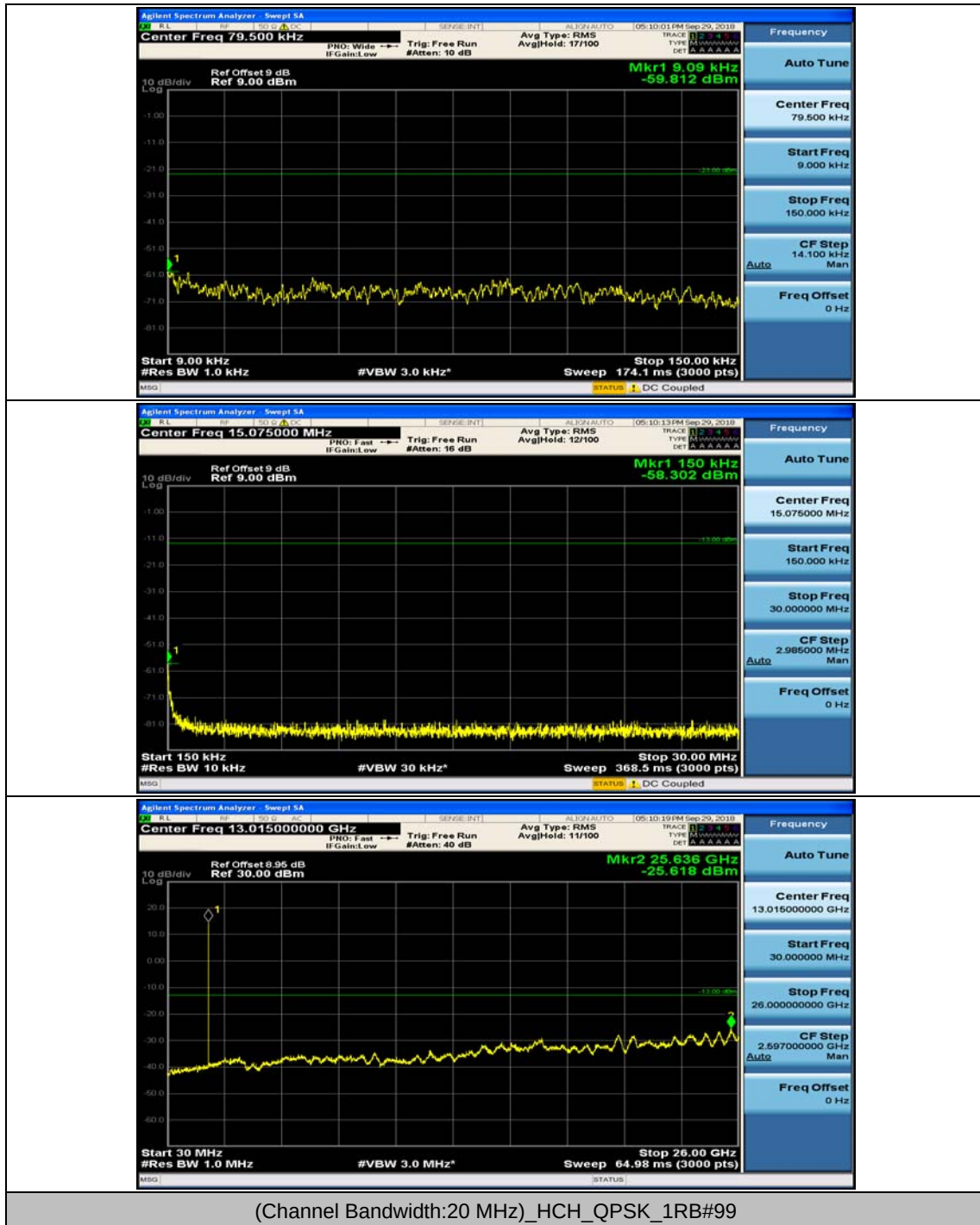


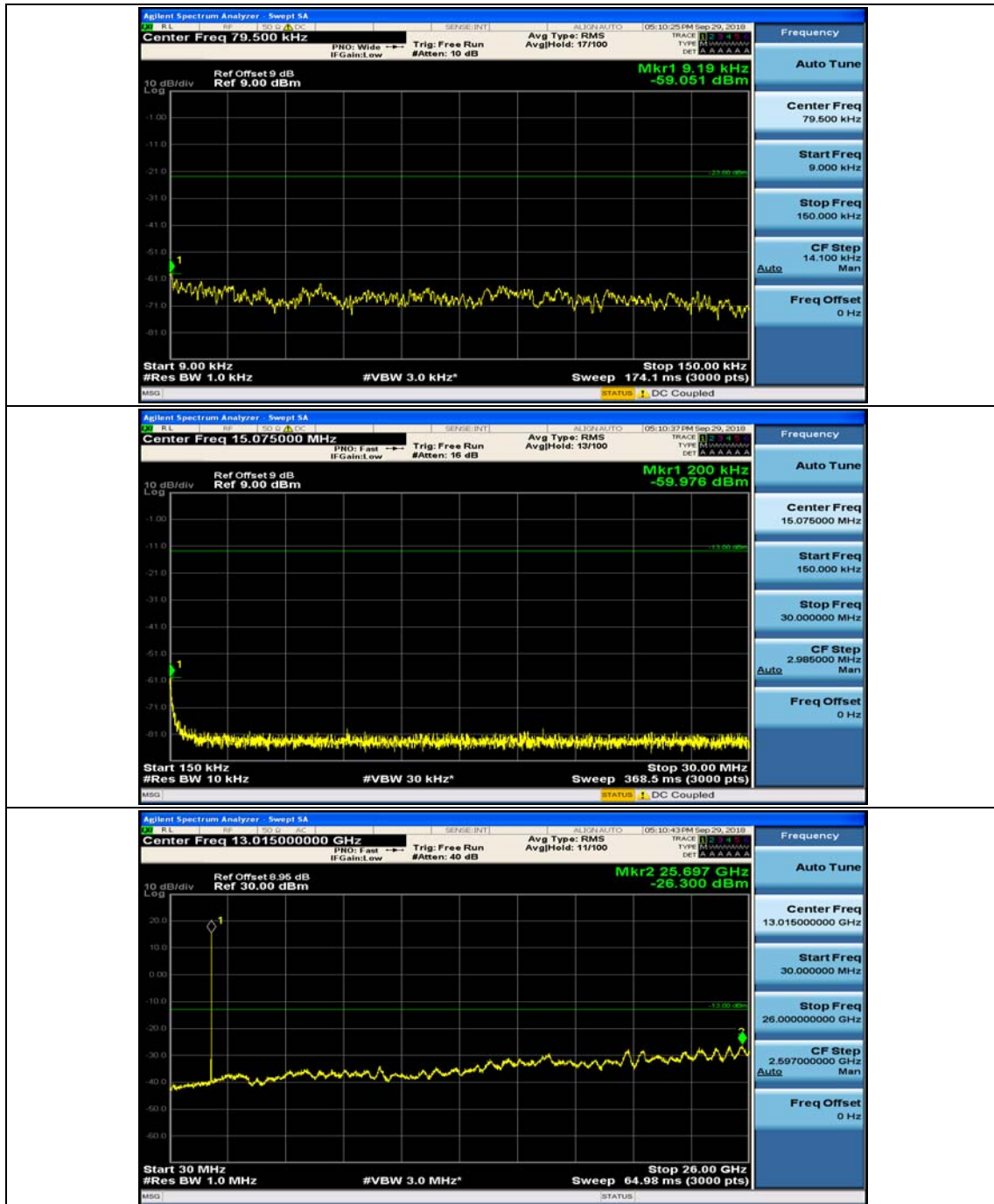


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

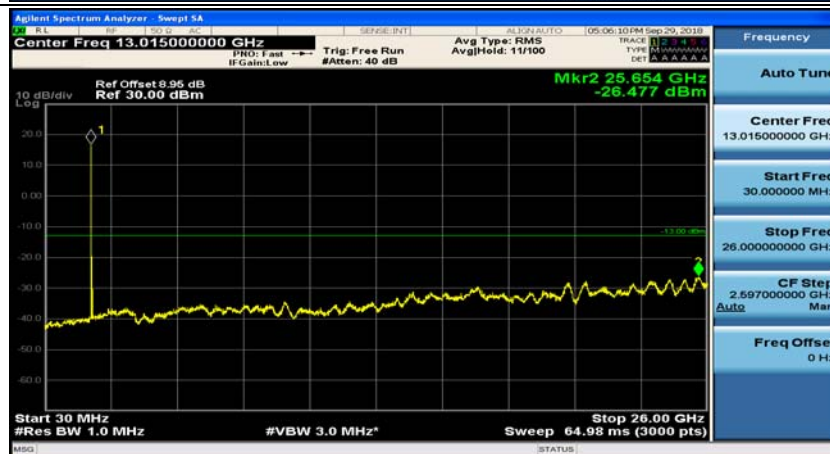
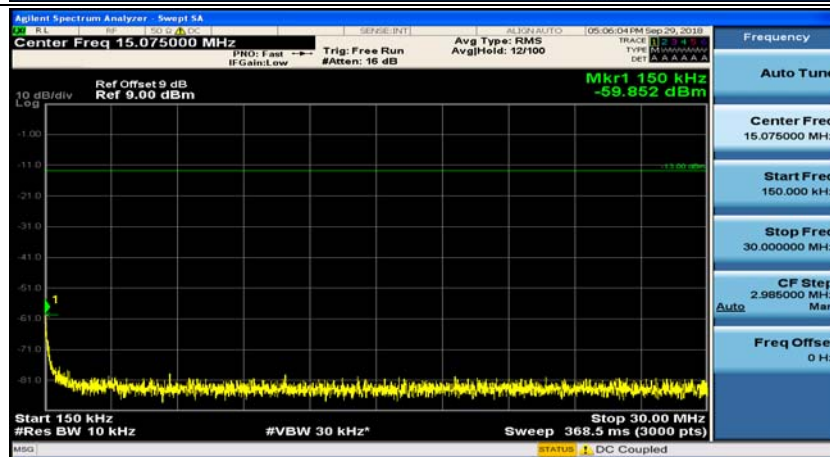
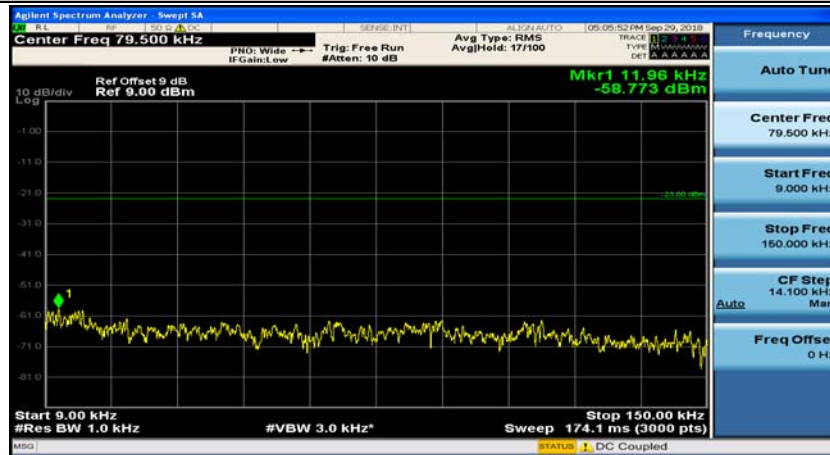


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

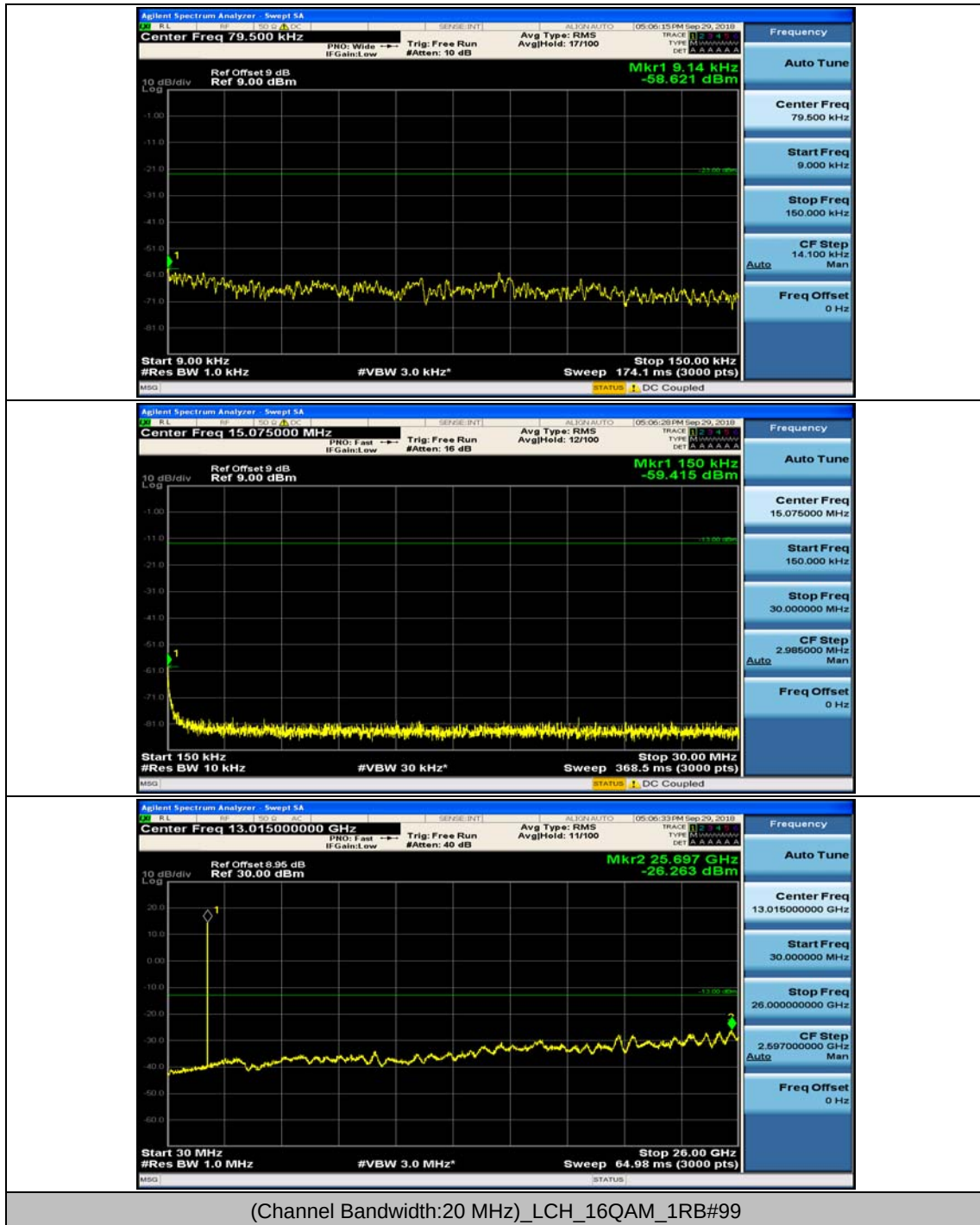


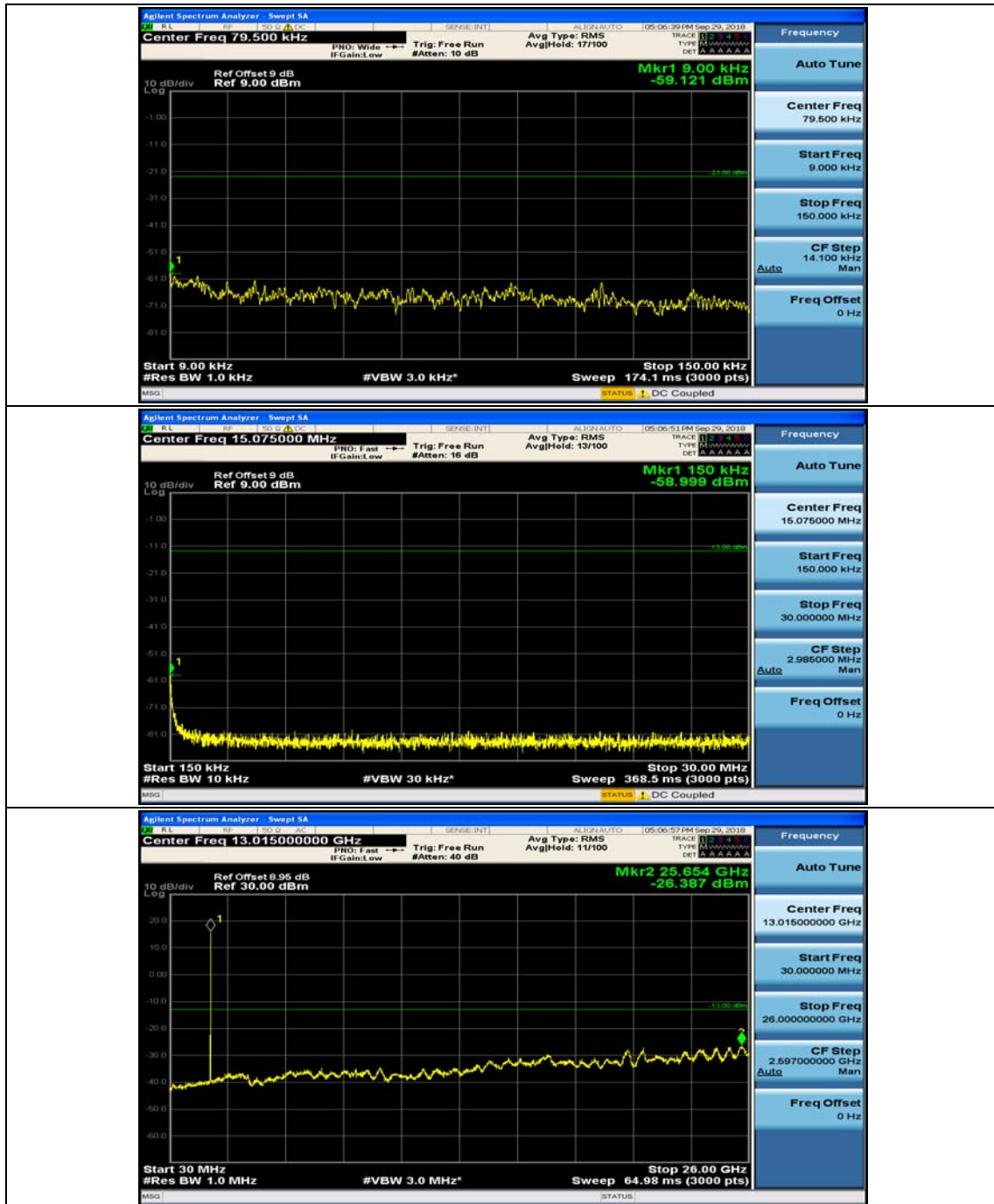


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

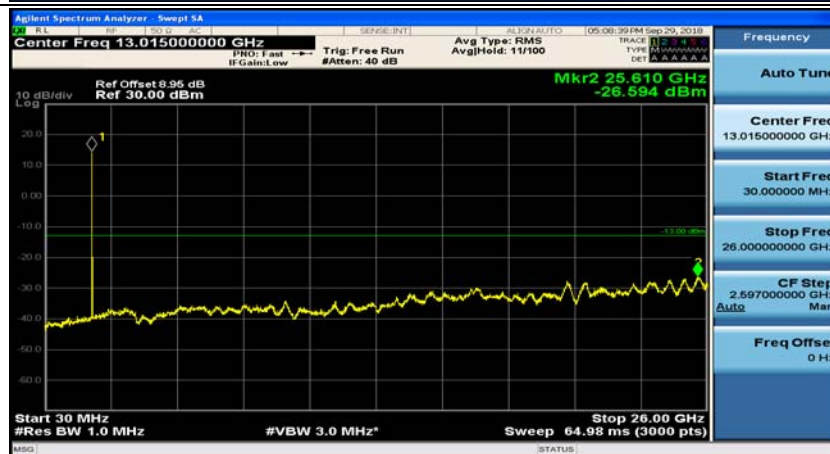
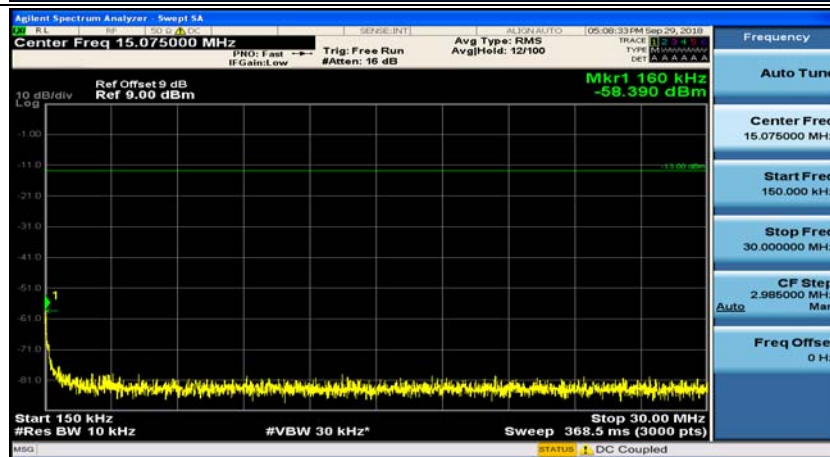
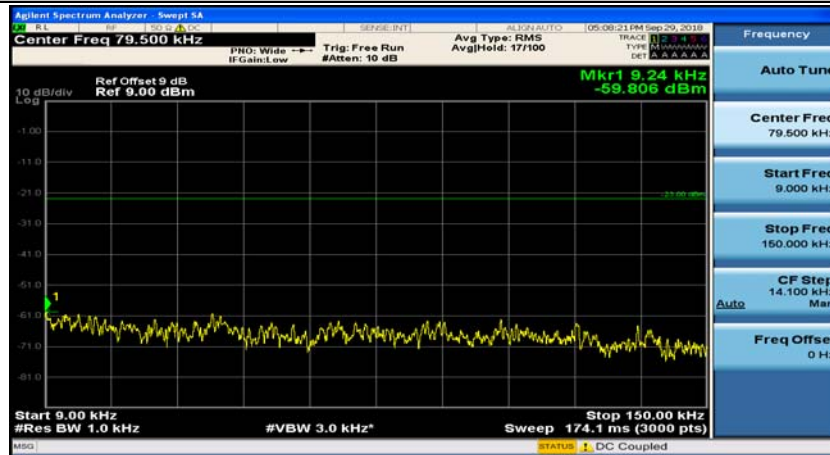


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

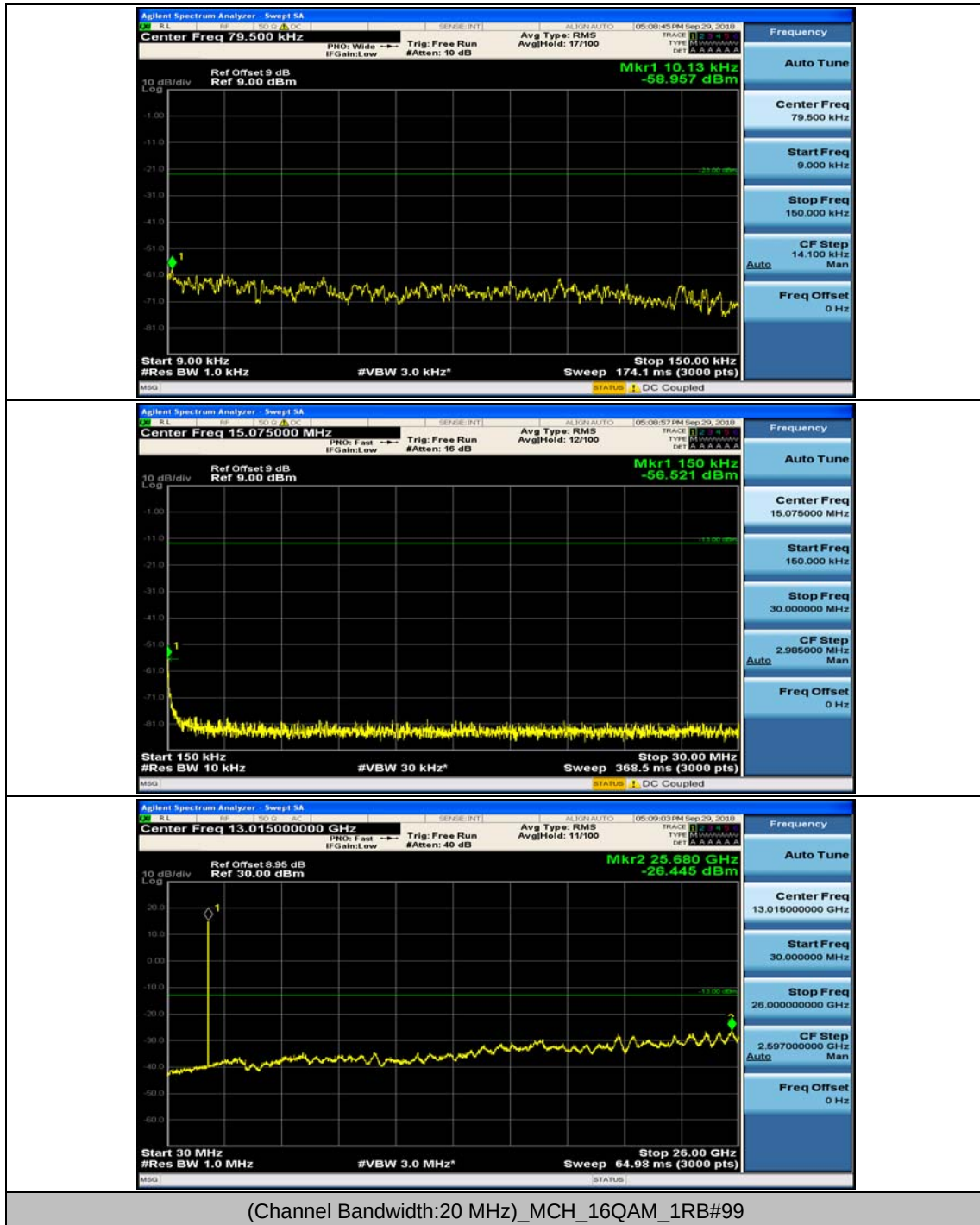


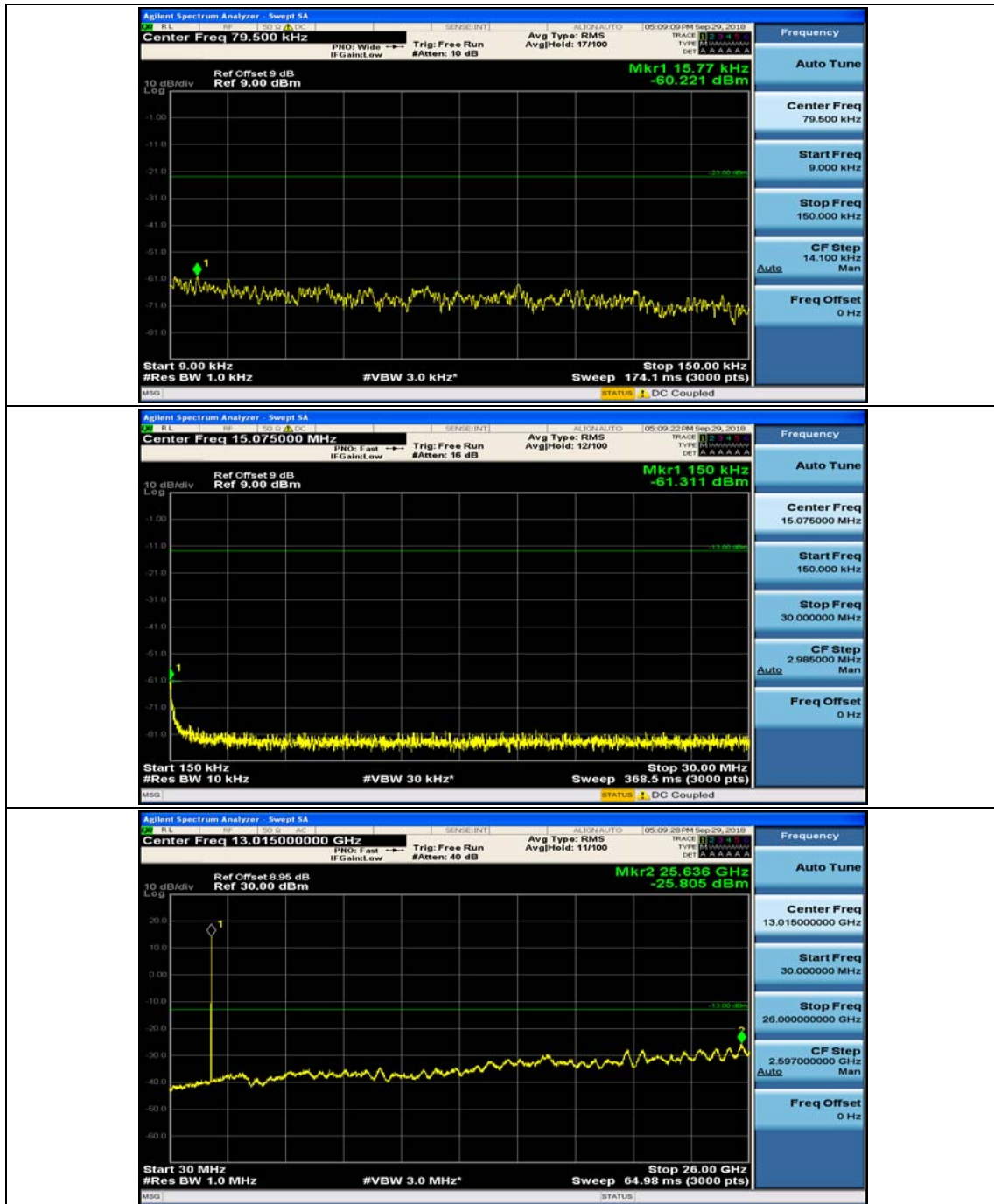


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

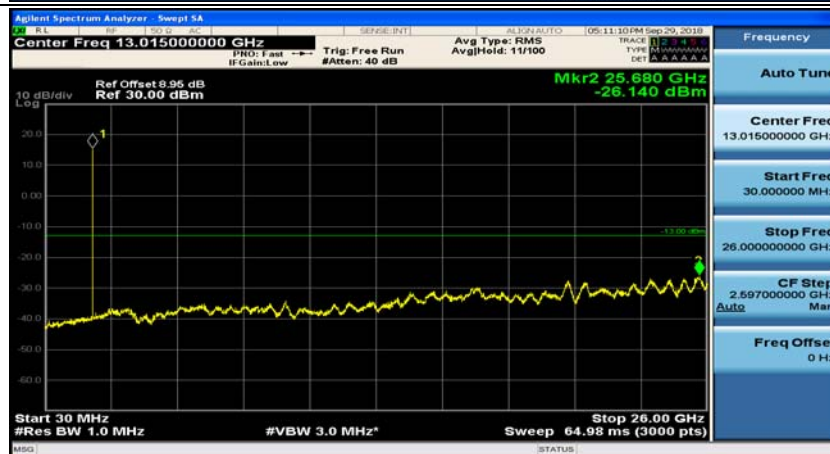
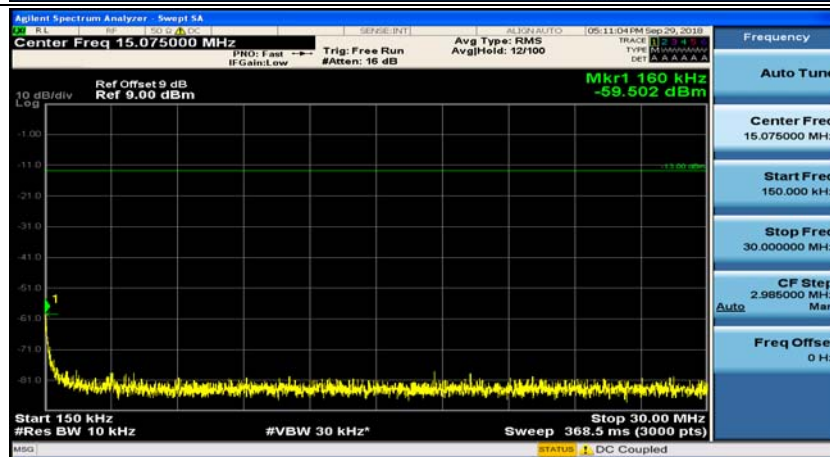
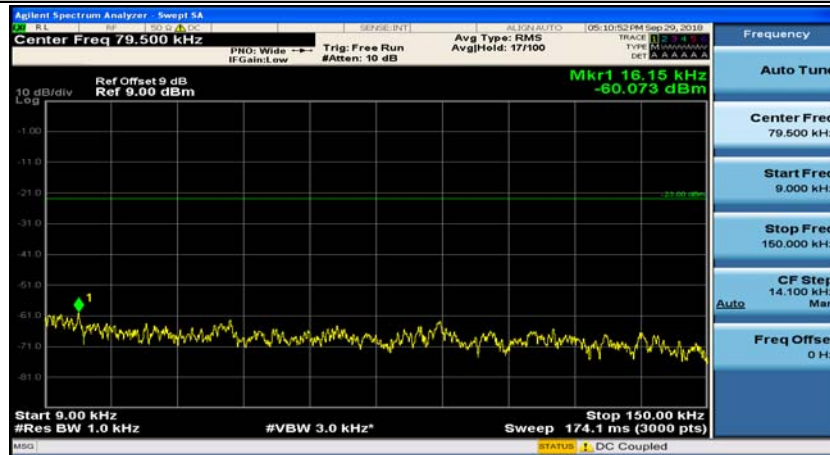


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

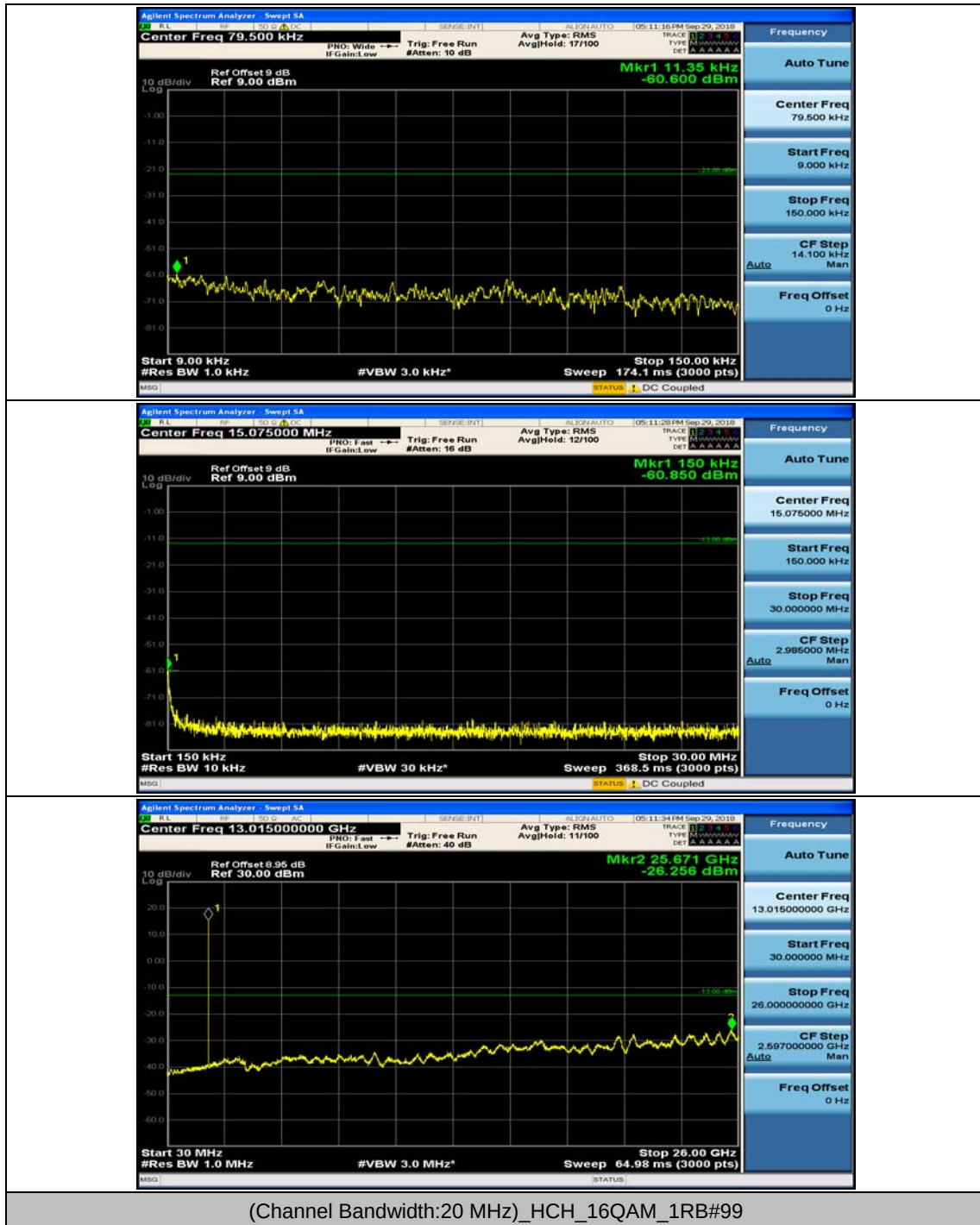


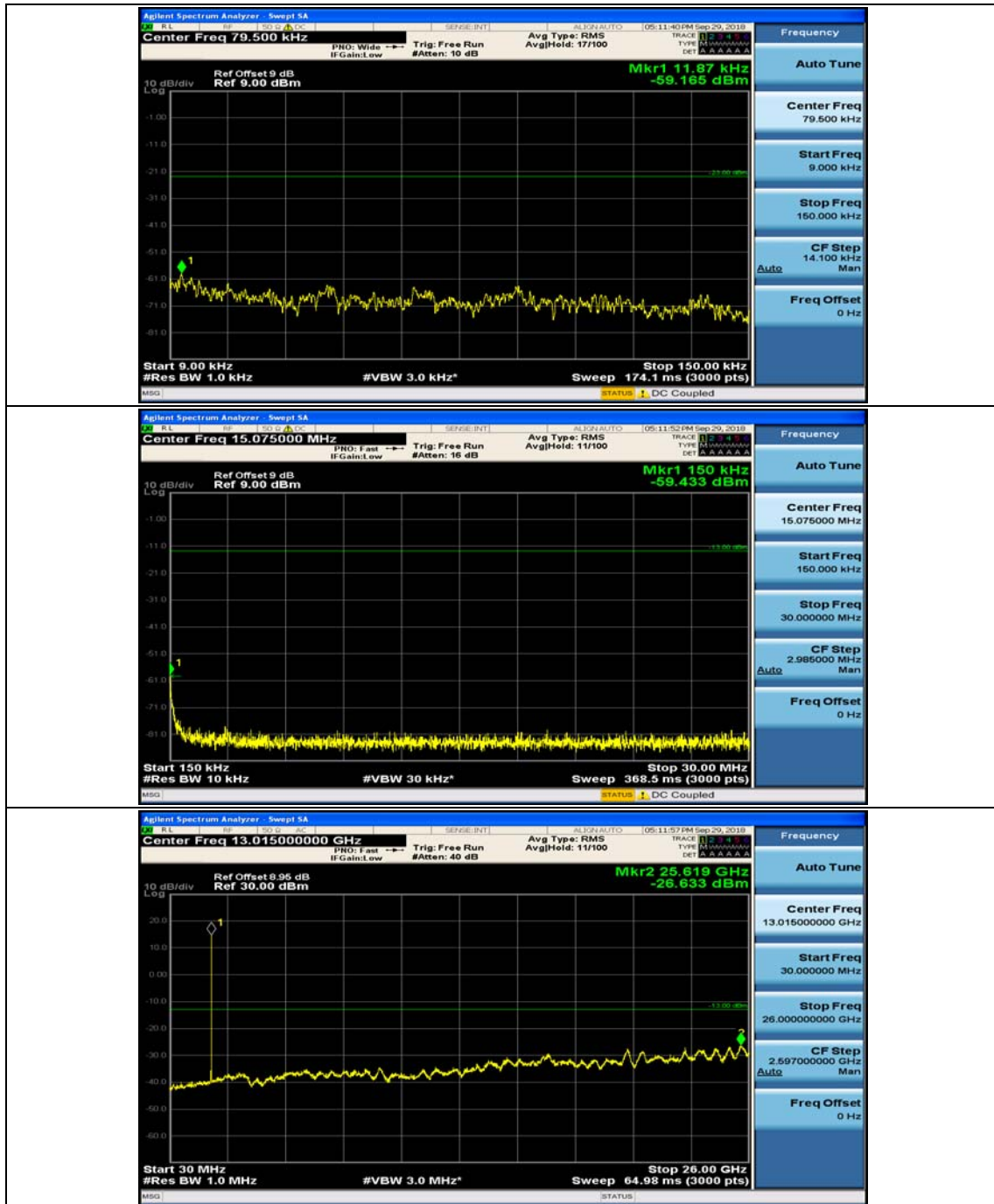


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.22	-0.000119	± 2.5	PASS
		VN	TN	3.61	0.001951	± 2.5	PASS
		VH	TN	1.78	0.000962	± 2.5	PASS
	MCH	VL	TN	0.34	0.000181	± 2.5	PASS
		VN	TN	-1.23	-0.000654	± 2.5	PASS
		VH	TN	1.59	0.000846	± 2.5	PASS
	HCH	VL	TN	2.08	0.001089	± 2.5	PASS
		VN	TN	-1.81	-0.000948	± 2.5	PASS
		VH	TN	3.6	0.001886	± 2.5	PASS
16QAM	LCH	VL	TN	-1.12	-0.000605	± 2.5	PASS
		VN	TN	3.87	0.002091	± 2.5	PASS
		VH	TN	-0.94	-0.000508	± 2.5	PASS
	MCH	VL	TN	2.08	0.001106	± 2.5	PASS
		VN	TN	-1.3	-0.000691	± 2.5	PASS
		VH	TN	1.86	0.000989	± 2.5	PASS
	HCH	VL	TN	-1.54	-0.000807	± 2.5	PASS
		VN	TN	0.85	0.000445	± 2.5	PASS
		VH	TN	-0.2	-0.000105	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.69	-0.000913	± 2.5	PASS
		VN	-20	0.53	0.000286	± 2.5	PASS
		VN	-10	2.51	0.001356	± 2.5	PASS
		VN	0	1.94	0.001048	± 2.5	PASS
		VN	10	0.5	0.000270	± 2.5	PASS
		VN	20	1.01	0.000546	± 2.5	PASS
		VN	30	2.14	0.001156	± 2.5	PASS
		VN	40	-1.74	-0.000940	± 2.5	PASS
		VN	50	3.16	0.001707	± 2.5	PASS
	MCH	VN	-30	4.09	0.002176	± 2.5	PASS
		VN	-20	2.09	0.001112	± 2.5	PASS

		VN	-10	-1.85	-0.000984	± 2.5	PASS	
		VN	0	1.45	0.000771	± 2.5	PASS	
		VN	10	2.28	0.001213	± 2.5	PASS	
		VN	20	1.8	0.000957	± 2.5	PASS	
		VN	30	-0.5	-0.000266	± 2.5	PASS	
		VN	40	3.74	0.001989	± 2.5	PASS	
		VN	50	3.94	0.002096	± 2.5	PASS	
	HCH	VN	-30	2.04	0.001068	± 2.5	PASS	
		VN	-20	4.17	0.002184	± 2.5	PASS	
		VN	-10	2.97	0.001556	± 2.5	PASS	
		VN	0	3.44	0.001802	± 2.5	PASS	
		VN	10	1.6	0.000838	± 2.5	PASS	
		VN	20	3.77	0.001975	± 2.5	PASS	
		VN	30	2.75	0.001440	± 2.5	PASS	
		VN	40	0.96	0.000503	± 2.5	PASS	
		VN	50	4.85	0.002540	± 2.5	PASS	
	16QAM	LCH	VN	-30	-0.49	-0.000265	± 2.5	PASS
			VN	-20	2.81	0.001518	± 2.5	PASS
VN			-10	1.89	0.001021	± 2.5	PASS	
VN			0	3.93	0.002124	± 2.5	PASS	
VN			10	4.62	0.002496	± 2.5	PASS	
VN			20	0.15	0.000081	± 2.5	PASS	
VN			30	0.96	0.000519	± 2.5	PASS	
VN			40	-0.9	-0.000486	± 2.5	PASS	
VN			50	-1.8	-0.000973	± 2.5	PASS	
MCH		VN	-30	3.09	0.001644	± 2.5	PASS	
		VN	-20	0.32	0.000170	± 2.5	PASS	
		VN	-10	3.52	0.001872	± 2.5	PASS	
		VN	0	2.56	0.001362	± 2.5	PASS	
		VN	10	-0.27	-0.000144	± 2.5	PASS	
		VN	20	-0.07	-0.000037	± 2.5	PASS	
		VN	30	3.04	0.001617	± 2.5	PASS	
		VN	40	2.53	0.001346	± 2.5	PASS	
		VN	50	4.4	0.002340	± 2.5	PASS	
HCH		VN	-30	-1.85	-0.000969	± 2.5	PASS	
		VN	-20	3.8	0.001990	± 2.5	PASS	
		VN	-10	0.88	0.000461	± 2.5	PASS	
		VN	0	1.74	0.000911	± 2.5	PASS	
		VN	10	2.33	0.001220	± 2.5	PASS	
		VN	20	4.91	0.002572	± 2.5	PASS	
		VN	30	1.7	0.000890	± 2.5	PASS	

		VN	40	0.74	0.000388	± 2.5	PASS
		VN	50	3.22	0.001686	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.17	0.001172	± 2.5	PASS
		VN	TN	0.57	0.000308	± 2.5	PASS
		VH	TN	-1.77	-0.000956	± 2.5	PASS
	MCH	VL	TN	1.45	0.000771	± 2.5	PASS
		VN	TN	-1.1	-0.000585	± 2.5	PASS
		VH	TN	-1.03	-0.000548	± 2.5	PASS
	HCH	VL	TN	2.13	0.001116	± 2.5	PASS
		VN	TN	2.98	0.001561	± 2.5	PASS
		VH	TN	2.94	0.001540	± 2.5	PASS
16QAM	LCH	VL	TN	0.26	0.000140	± 2.5	PASS
		VN	TN	1.65	0.000891	± 2.5	PASS
		VH	TN	4.66	0.002517	± 2.5	PASS
	MCH	VL	TN	-0.01	-0.000005	± 2.5	PASS
		VN	TN	2.15	0.001144	± 2.5	PASS
		VH	TN	-0.49	-0.000261	± 2.5	PASS
	HCH	VL	TN	3.53	0.001850	± 2.5	PASS
		VN	TN	-1.04	-0.000545	± 2.5	PASS
		VH	TN	-0.09	-0.000047	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.68	0.001988	± 2.5	PASS
		VN	-20	-0.85	-0.000459	± 2.5	PASS
		VN	-10	-0.31	-0.000167	± 2.5	PASS
		VN	0	-0.46	-0.000248	± 2.5	PASS
		VN	10	-0.31	-0.000167	± 2.5	PASS
		VN	20	3.18	0.001718	± 2.5	PASS
		VN	30	2.76	0.001491	± 2.5	PASS
		VN	40	1.07	0.000578	± 2.5	PASS
		VN	50	2.26	0.001221	± 2.5	PASS
	MCH	VN	-30	0.46	0.000245	± 2.5	PASS
		VN	-20	-1.54	-0.000819	± 2.5	PASS
		VN	-10	-1.64	-0.000872	± 2.5	PASS

		VN	0	-1.51	-0.000803	± 2.5	PASS
		VN	10	1.68	0.000894	± 2.5	PASS
		VN	20	2.04	0.001085	± 2.5	PASS
		VN	30	0.23	0.000122	± 2.5	PASS
		VN	40	-0.8	-0.000426	± 2.5	PASS
		VN	50	3.76	0.002000	± 2.5	PASS
	HCH	VN	-30	1.78	0.000933	± 2.5	PASS
		VN	-20	0.13	0.000068	± 2.5	PASS
		VN	-10	-0.24	-0.000126	± 2.5	PASS
		VN	0	2.68	0.001404	± 2.5	PASS
		VN	10	0.89	0.000466	± 2.5	PASS
		VN	20	3.19	0.001671	± 2.5	PASS
		VN	30	3.36	0.001761	± 2.5	PASS
		VN	40	-0.98	-0.000513	± 2.5	PASS
		VN	50	2.11	0.001106	± 2.5	PASS
16QAM	LCH	VN	-30	-0.84	-0.000454	± 2.5	PASS
		VN	-20	2.28	0.001231	± 2.5	PASS
		VN	-10	-0.24	-0.000130	± 2.5	PASS
		VN	0	0.18	0.000097	± 2.5	PASS
		VN	10	4.76	0.002571	± 2.5	PASS
		VN	20	0.35	0.000189	± 2.5	PASS
		VN	30	-0.15	-0.000081	± 2.5	PASS
		VN	40	-0.62	-0.000335	± 2.5	PASS
		VN	50	0.81	0.000437	± 2.5	PASS
	MCH	VN	-30	-1.56	-0.000830	± 2.5	PASS
		VN	-20	-0.87	-0.000463	± 2.5	PASS
		VN	-10	2.16	0.001149	± 2.5	PASS
		VN	0	4.49	0.002388	± 2.5	PASS
		VN	10	-0.15	-0.000080	± 2.5	PASS
		VN	20	2.88	0.001532	± 2.5	PASS
		VN	30	0.34	0.000181	± 2.5	PASS
		VN	40	1	0.000532	± 2.5	PASS
		VN	50	2.59	0.001378	± 2.5	PASS
	HCH	VN	-30	3.61	0.001892	± 2.5	PASS
		VN	-20	2.02	0.001058	± 2.5	PASS
		VN	-10	4.81	0.002520	± 2.5	PASS
		VN	0	-1.17	-0.000613	± 2.5	PASS
		VN	10	-0.73	-0.000382	± 2.5	PASS
		VN	20	1.31	0.000686	± 2.5	PASS
		VN	30	1.76	0.000922	± 2.5	PASS
		VN	40	4.85	0.002541	± 2.5	PASS

		VN	50	-1.43	-0.000749	± 2.5	PASS
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Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.97	0.001603	± 2.5	PASS
		VN	TN	3.49	0.001884	± 2.5	PASS
		VH	TN	0.85	0.000459	± 2.5	PASS
	MCH	VL	TN	3.83	0.002037	± 2.5	PASS
		VN	TN	2.15	0.001144	± 2.5	PASS
		VH	TN	-1.54	-0.000819	± 2.5	PASS
	HCH	VL	TN	1.19	0.000624	± 2.5	PASS
		VN	TN	2.29	0.001201	± 2.5	PASS
		VH	TN	-0.92	-0.000482	± 2.5	PASS
16QAM	LCH	VL	TN	-1.14	-0.000615	± 2.5	PASS
		VN	TN	0.55	0.000297	± 2.5	PASS
		VH	TN	1.79	0.000966	± 2.5	PASS
	MCH	VL	TN	-0.58	-0.000309	± 2.5	PASS
		VN	TN	3.65	0.001941	± 2.5	PASS
		VH	TN	1.61	0.000856	± 2.5	PASS
	HCH	VL	TN	2.98	0.001562	± 2.5	PASS
		VN	TN	2.15	0.001127	± 2.5	PASS
		VH	TN	3.97	0.002081	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.63	0.001420	± 2.5	PASS
		VN	-20	1.73	0.000934	± 2.5	PASS
		VN	-10	-1.46	-0.000788	± 2.5	PASS
		VN	0	2.75	0.001484	± 2.5	PASS
		VN	10	1.21	0.000653	± 2.5	PASS
		VN	20	-0.34	-0.000184	± 2.5	PASS
		VN	30	-0.84	-0.000453	± 2.5	PASS
		VN	40	-1.14	-0.000615	± 2.5	PASS
		VN	50	2.89	0.001560	± 2.5	PASS
	MCH	VN	-30	4.47	0.002378	± 2.5	PASS
		VN	-20	4.62	0.002457	± 2.5	PASS
		VN	-10	1.37	0.000729	± 2.5	PASS
		VN	0	-0.83	-0.000441	± 2.5	PASS

		VN	10	4.2	0.002234	± 2.5	PASS
		VN	20	4.14	0.002202	± 2.5	PASS
		VN	30	3.22	0.001713	± 2.5	PASS
		VN	40	4.86	0.002585	± 2.5	PASS
		VN	50	1.81	0.000963	± 2.5	PASS
	HCH	VN	-30	0.81	0.000425	± 2.5	PASS
		VN	-20	3.86	0.002024	± 2.5	PASS
		VN	-10	-1.69	-0.000886	± 2.5	PASS
		VN	0	2.7	0.001415	± 2.5	PASS
		VN	10	3.21	0.001683	± 2.5	PASS
		VN	20	2.48	0.001300	± 2.5	PASS
		VN	30	0.7	0.000367	± 2.5	PASS
		VN	40	1.05	0.000550	± 2.5	PASS
		VN	50	0.6	0.000315	± 2.5	PASS
16QAM	LCH	VN	-30	-1.36	-0.000734	± 2.5	PASS
		VN	-20	2.06	0.001112	± 2.5	PASS
		VN	-10	4.44	0.002397	± 2.5	PASS
		VN	0	2.63	0.001420	± 2.5	PASS
		VN	10	1.4	0.000756	± 2.5	PASS
		VN	20	4.63	0.002499	± 2.5	PASS
		VN	30	3.6	0.001943	± 2.5	PASS
		VN	40	2.94	0.001587	± 2.5	PASS
		VN	50	2.59	0.001398	± 2.5	PASS
	MCH	VN	-30	-1.52	-0.000809	± 2.5	PASS
		VN	-20	-1.98	-0.001053	± 2.5	PASS
		VN	-10	0.54	0.000287	± 2.5	PASS
		VN	0	0.53	0.000282	± 2.5	PASS
		VN	10	-1.92	-0.001021	± 2.5	PASS
		VN	20	2.81	0.001495	± 2.5	PASS
		VN	30	1.39	0.000739	± 2.5	PASS
		VN	40	0.14	0.000074	± 2.5	PASS
		VN	50	-1.46	-0.000777	± 2.5	PASS
	HCH	VN	-30	3.89	0.002039	± 2.5	PASS
		VN	-20	-1.72	-0.000902	± 2.5	PASS
		VN	-10	3.19	0.001672	± 2.5	PASS
		VN	0	2	0.001048	± 2.5	PASS
		VN	10	4.06	0.002128	± 2.5	PASS
		VN	20	2.87	0.001505	± 2.5	PASS
		VN	30	-0.46	-0.000241	± 2.5	PASS
		VN	40	3.58	0.001877	± 2.5	PASS
		VN	50	4.59	0.002406	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.88	0.002631	± 2.5	PASS
		VN	TN	1.61	0.000868	± 2.5	PASS
		VH	TN	-1.67	-0.000900	± 2.5	PASS
	MCH	VL	TN	1.58	0.000840	± 2.5	PASS
		VN	TN	0.54	0.000287	± 2.5	PASS
		VH	TN	-1.89	-0.001005	± 2.5	PASS
	HCH	VL	TN	-1.06	-0.000556	± 2.5	PASS
		VN	TN	1.6	0.000840	± 2.5	PASS
		VH	TN	4.21	0.002210	± 2.5	PASS
16QAM	LCH	VL	TN	4.53	0.002442	± 2.5	PASS
		VN	TN	-1.83	-0.000987	± 2.5	PASS
		VH	TN	3.73	0.002011	± 2.5	PASS
	MCH	VL	TN	2.43	0.001293	± 2.5	PASS
		VN	TN	0.93	0.000495	± 2.5	PASS
		VH	TN	4.05	0.002154	± 2.5	PASS
	HCH	VL	TN	2.83	0.001486	± 2.5	PASS
		VN	TN	-0.36	-0.000189	± 2.5	PASS
		VH	TN	3.92	0.002058	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	1.35	0.000728	± 2.5	PASS
		VN	-20	2.92	0.001574	± 2.5	PASS
		VN	-10	4.89	0.002636	± 2.5	PASS
		VN	0	2.1	0.001132	± 2.5	PASS
		VN	10	4.7	0.002534	± 2.5	PASS
		VN	20	-1.88	-0.001013	± 2.5	PASS
		VN	30	4.18	0.002253	± 2.5	PASS
		VN	40	2.36	0.001272	± 2.5	PASS
		VN	50	-0.35	-0.000189	± 2.5	PASS
	MCH	VN	-30	1.36	0.000723	± 2.5	PASS
		VN	-20	3.74	0.001989	± 2.5	PASS
		VN	-10	-0.07	-0.000037	± 2.5	PASS
		VN	0	0.64	0.000340	± 2.5	PASS
		VN	10	1.96	0.001043	± 2.5	PASS
		VN	20	1.34	0.000713	± 2.5	PASS

		VN	30	-1.89	-0.001005	± 2.5	PASS
		VN	40	0.15	0.000080	± 2.5	PASS
		VN	50	1.03	0.000548	± 2.5	PASS
	HCH	VN	-30	3.48	0.001827	± 2.5	PASS
		VN	-20	2.57	0.001349	± 2.5	PASS
		VN	-10	4.26	0.002236	± 2.5	PASS
		VN	0	0.59	0.000310	± 2.5	PASS
		VN	10	1.09	0.000572	± 2.5	PASS
		VN	20	4.82	0.002530	± 2.5	PASS
		VN	30	3.79	0.001990	± 2.5	PASS
		VN	40	-0.39	-0.000205	± 2.5	PASS
		VN	50	2.65	0.001391	± 2.5	PASS
QPSK	LCH	VN	-30	2.4	0.001294	± 2.5	PASS
		VN	-20	-1.65	-0.000889	± 2.5	PASS
		VN	-10	4.95	0.002668	± 2.5	PASS
		VN	0	3.64	0.001962	± 2.5	PASS
		VN	10	1.59	0.000857	± 2.5	PASS
		VN	20	-0.96	-0.000518	± 2.5	PASS
		VN	30	-1.42	-0.000765	± 2.5	PASS
		VN	40	-1.3	-0.000701	± 2.5	PASS
		VN	50	3.25	0.001752	± 2.5	PASS
	MCH	VN	-30	0.4	0.000213	± 2.5	PASS
		VN	-20	2.98	0.001585	± 2.5	PASS
		VN	-10	-1.83	-0.000973	± 2.5	PASS
		VN	0	2.94	0.001564	± 2.5	PASS
		VN	10	0.21	0.000112	± 2.5	PASS
		VN	20	1.66	0.000883	± 2.5	PASS
		VN	30	-1.23	-0.000654	± 2.5	PASS
		VN	40	-1.02	-0.000543	± 2.5	PASS
		VN	50	1.69	0.000899	± 2.5	PASS
	HCH	VN	-30	2.97	0.001559	± 2.5	PASS
		VN	-20	2.18	0.001144	± 2.5	PASS
		VN	-10	3.13	0.001643	± 2.5	PASS
		VN	0	-0.64	-0.000336	± 2.5	PASS
		VN	10	-1.05	-0.000551	± 2.5	PASS
		VN	20	1.27	0.000667	± 2.5	PASS
		VN	30	1.11	0.000583	± 2.5	PASS
		VN	40	3.81	0.002000	± 2.5	PASS
		VN	50	0.76	0.000399	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.02	0.002164	± 2.5	PASS
		VN	TN	2	0.001077	± 2.5	PASS
		VH	TN	-1.51	-0.000813	± 2.5	PASS
	MCH	VL	TN	2.28	0.001213	± 2.5	PASS
		VN	TN	2.09	0.001112	± 2.5	PASS
		VH	TN	2.6	0.001383	± 2.5	PASS
	HCH	VL	TN	3.42	0.001798	± 2.5	PASS
		VN	TN	0.29	0.000152	± 2.5	PASS
		VH	TN	2.11	0.001109	± 2.5	PASS
16QAM	LCH	VL	TN	-1.21	-0.000651	± 2.5	PASS
		VN	TN	-0.11	-0.000059	± 2.5	PASS
		VH	TN	3.08	0.001658	± 2.5	PASS
	MCH	VL	TN	3.24	0.001723	± 2.5	PASS
		VN	TN	0.22	0.000117	± 2.5	PASS
		VH	TN	2.21	0.001176	± 2.5	PASS
	HCH	VL	TN	4.07	0.002139	± 2.5	PASS
		VN	TN	3.24	0.001703	± 2.5	PASS
		VH	TN	0.99	0.000520	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.58	0.001389	± 2.5	PASS
		VN	-20	1.27	0.000684	± 2.5	PASS
		VN	-10	2.83	0.001524	± 2.5	PASS
		VN	0	4.21	0.002266	± 2.5	PASS
		VN	10	2.8	0.001507	± 2.5	PASS
		VN	20	-0.16	-0.000086	± 2.5	PASS
		VN	30	-1.11	-0.000598	± 2.5	PASS
		VN	40	4.16	0.002240	± 2.5	PASS
		VN	50	3.36	0.001809	± 2.5	PASS
	MCH	VN	-30	2.72	0.001447	± 2.5	PASS
		VN	-20	2.98	0.001585	± 2.5	PASS
		VN	-10	-0.13	-0.000069	± 2.5	PASS
		VN	0	-0.66	-0.000351	± 2.5	PASS
		VN	10	1.38	0.000734	± 2.5	PASS
		VN	20	2.34	0.001245	± 2.5	PASS

		VN	30	2.71	0.001441	± 2.5	PASS
		VN	40	-1.99	-0.001059	± 2.5	PASS
		VN	50	4.34	0.002309	± 2.5	PASS
	HCH	VN	-30	2.97	0.001561	± 2.5	PASS
		VN	-20	3.7	0.001945	± 2.5	PASS
		VN	-10	-1.73	-0.000909	± 2.5	PASS
		VN	0	4.19	0.002202	± 2.5	PASS
		VN	10	1.03	0.000541	± 2.5	PASS
		VN	20	2.98	0.001566	± 2.5	PASS
		VN	30	-1.4	-0.000736	± 2.5	PASS
		VN	40	2.36	0.001240	± 2.5	PASS
		VN	50	3.35	0.001761	± 2.5	PASS
16QAM	LCH	VN	-30	4.37	0.002353	± 2.5	PASS
		VN	-20	4.5	0.002423	± 2.5	PASS
		VN	-10	3.36	0.001809	± 2.5	PASS
		VN	0	1.28	0.000689	± 2.5	PASS
		VN	10	0.82	0.000441	± 2.5	PASS
		VN	20	4.69	0.002525	± 2.5	PASS
		VN	30	4.58	0.002466	± 2.5	PASS
		VN	40	4.95	0.002665	± 2.5	PASS
		VN	50	-0.74	-0.000398	± 2.5	PASS
	MCH	VN	-30	-1.08	-0.000574	± 2.5	PASS
		VN	-20	3.96	0.002106	± 2.5	PASS
		VN	-10	-1.08	-0.000574	± 2.5	PASS
		VN	0	4.18	0.002223	± 2.5	PASS
		VN	10	-1.82	-0.000968	± 2.5	PASS
		VN	20	1.47	0.000782	± 2.5	PASS
		VN	30	2.27	0.001207	± 2.5	PASS
		VN	40	2.15	0.001144	± 2.5	PASS
		VN	50	3.14	0.001670	± 2.5	PASS
	HCH	VN	-30	3.21	0.001687	± 2.5	PASS
		VN	-20	1.39	0.000731	± 2.5	PASS
		VN	-10	1.97	0.001035	± 2.5	PASS
		VN	0	3.97	0.002087	± 2.5	PASS
		VN	10	0.17	0.000089	± 2.5	PASS
		VN	20	-0.46	-0.000242	± 2.5	PASS
		VN	30	-1.29	-0.000678	± 2.5	PASS
		VN	40	4.64	0.002439	± 2.5	PASS
		VN	50	1.47	0.000773	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.17	-0.000091	± 2.5	PASS
		VN	TN	0.03	0.000016	± 2.5	PASS
		VH	TN	-0.69	-0.000371	± 2.5	PASS
	MCH	VL	TN	0.97	0.000516	± 2.5	PASS
		VN	TN	-1.07	-0.000569	± 2.5	PASS
		VH	TN	1.75	0.000931	± 2.5	PASS
	HCH	VL	TN	2.74	0.001442	± 2.5	PASS
		VN	TN	4.34	0.002284	± 2.5	PASS
		VH	TN	1.98	0.001042	± 2.5	PASS
16QAM	LCH	VL	TN	1.18	0.000634	± 2.5	PASS
		VN	TN	1.01	0.000543	± 2.5	PASS
		VH	TN	4.84	0.002602	± 2.5	PASS
	MCH	VL	TN	0.67	0.000356	± 2.5	PASS
		VN	TN	2.74	0.001457	± 2.5	PASS
		VH	TN	3.51	0.001867	± 2.5	PASS
	HCH	VL	TN	3.1	0.001632	± 2.5	PASS
		VN	TN	-0.59	-0.000311	± 2.5	PASS
		VH	TN	-0.18	-0.000095	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.03	0.000016	± 2.5	PASS
		VN	-20	3.67	0.001973	± 2.5	PASS
		VN	-10	-1.67	-0.000898	± 2.5	PASS
		VN	0	-0.39	-0.000210	± 2.5	PASS
		VN	10	1.05	0.000565	± 2.5	PASS
		VN	20	1.9	0.001022	± 2.5	PASS
		VN	30	0.31	0.000167	± 2.5	PASS
		VN	40	4.59	0.002468	± 2.5	PASS
		VN	50	1.28	0.000688	± 2.5	PASS
	MCH	VN	-30	-0.74	-0.000394	± 2.5	PASS
		VN	-20	4.95	0.002633	± 2.5	PASS
		VN	-10	-0.44	-0.000234	± 2.5	PASS
		VN	0	0.12	0.000064	± 2.5	PASS
		VN	10	3.29	0.001750	± 2.5	PASS
		VN	20	4.56	0.002426	± 2.5	PASS

		VN	30	0.19	0.000101	± 2.5	PASS
		VN	40	-0.53	-0.000282	± 2.5	PASS
		VN	50	-0.6	-0.000319	± 2.5	PASS
	HCH	VN	-30	-0.24	-0.000126	± 2.5	PASS
		VN	-20	4.15	0.002184	± 2.5	PASS
		VN	-10	1.84	0.000968	± 2.5	PASS
		VN	0	-0.52	-0.000274	± 2.5	PASS
		VN	10	2.07	0.001089	± 2.5	PASS
		VN	20	4.8	0.002526	± 2.5	PASS
		VN	30	3.13	0.001647	± 2.5	PASS
		VN	40	3.07	0.001616	± 2.5	PASS
		VN	50	0.7	0.000368	± 2.5	PASS
16QAM	LCH	VN	-30	3.17	0.001704	± 2.5	PASS
		VN	-20	1.98	0.001065	± 2.5	PASS
		VN	-10	-1.29	-0.000694	± 2.5	PASS
		VN	0	0.56	0.000301	± 2.5	PASS
		VN	10	-0.23	-0.000124	± 2.5	PASS
		VN	20	3.84	0.002065	± 2.5	PASS
		VN	30	4.12	0.002215	± 2.5	PASS
		VN	40	4.25	0.002285	± 2.5	PASS
		VN	50	-0.95	-0.000511	± 2.5	PASS
	MCH	VN	-30	0.76	0.000404	± 2.5	PASS
		VN	-20	4.86	0.002585	± 2.5	PASS
		VN	-10	4.9	0.002606	± 2.5	PASS
		VN	0	-1.1	-0.000585	± 2.5	PASS
		VN	10	-0.62	-0.000330	± 2.5	PASS
		VN	20	0.71	0.000378	± 2.5	PASS
		VN	30	4.55	0.002420	± 2.5	PASS
		VN	40	2.43	0.001293	± 2.5	PASS
		VN	50	0.26	0.000138	± 2.5	PASS
	HCH	VN	-30	2.34	0.001232	± 2.5	PASS
		VN	-20	2.33	0.001226	± 2.5	PASS
		VN	-10	0.77	0.000405	± 2.5	PASS
		VN	0	4.82	0.002537	± 2.5	PASS
		VN	10	2.51	0.001321	± 2.5	PASS
		VN	20	1.63	0.000858	± 2.5	PASS
		VN	30	-1.02	-0.000537	± 2.5	PASS
		VN	40	-0.07	-0.000037	± 2.5	PASS
		VN	50	4.54	0.002389	± 2.5	PASS